

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: P630935

Luminaire Tested: GWS-SA1E-760-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630935
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6511.4 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

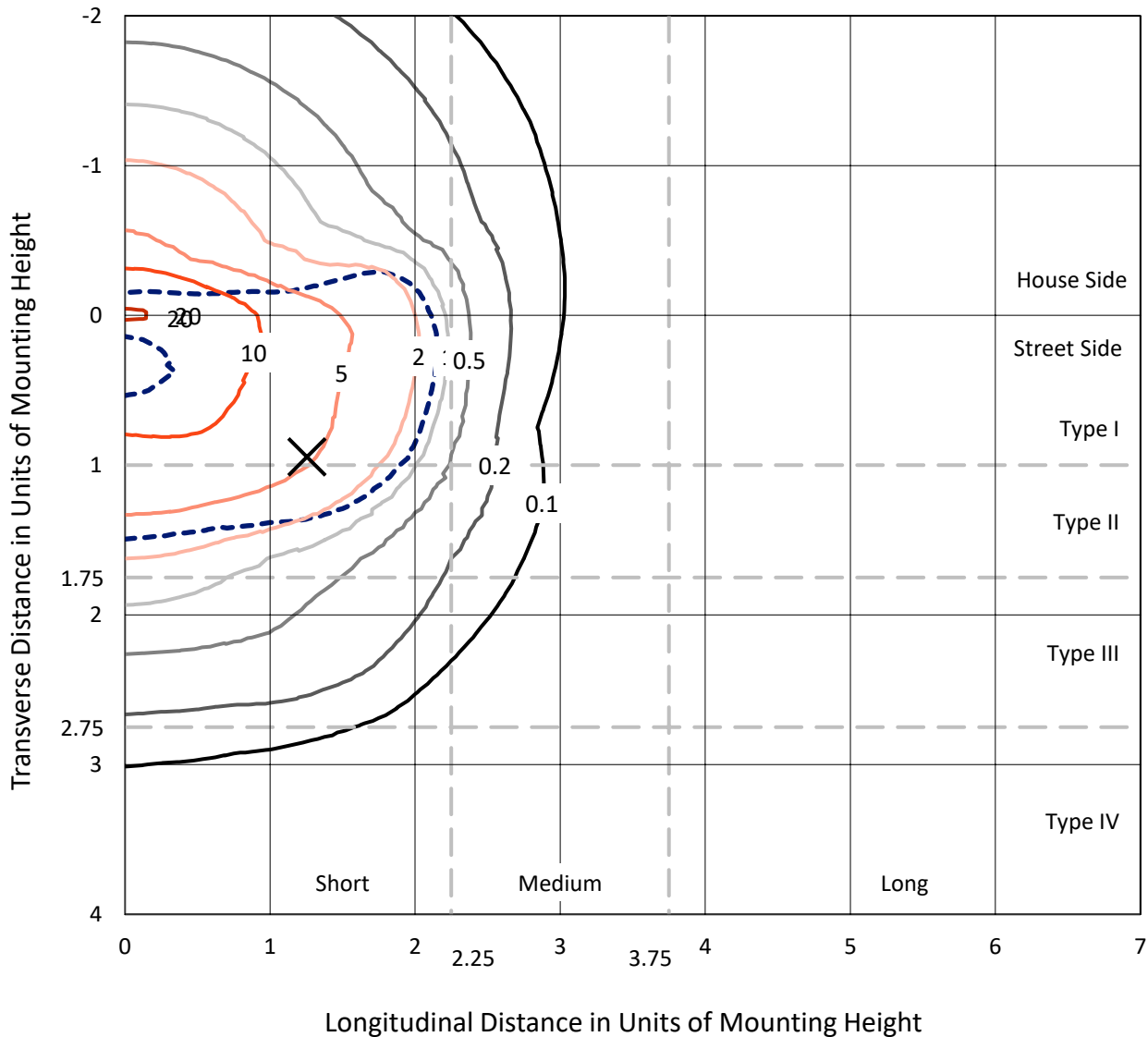
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

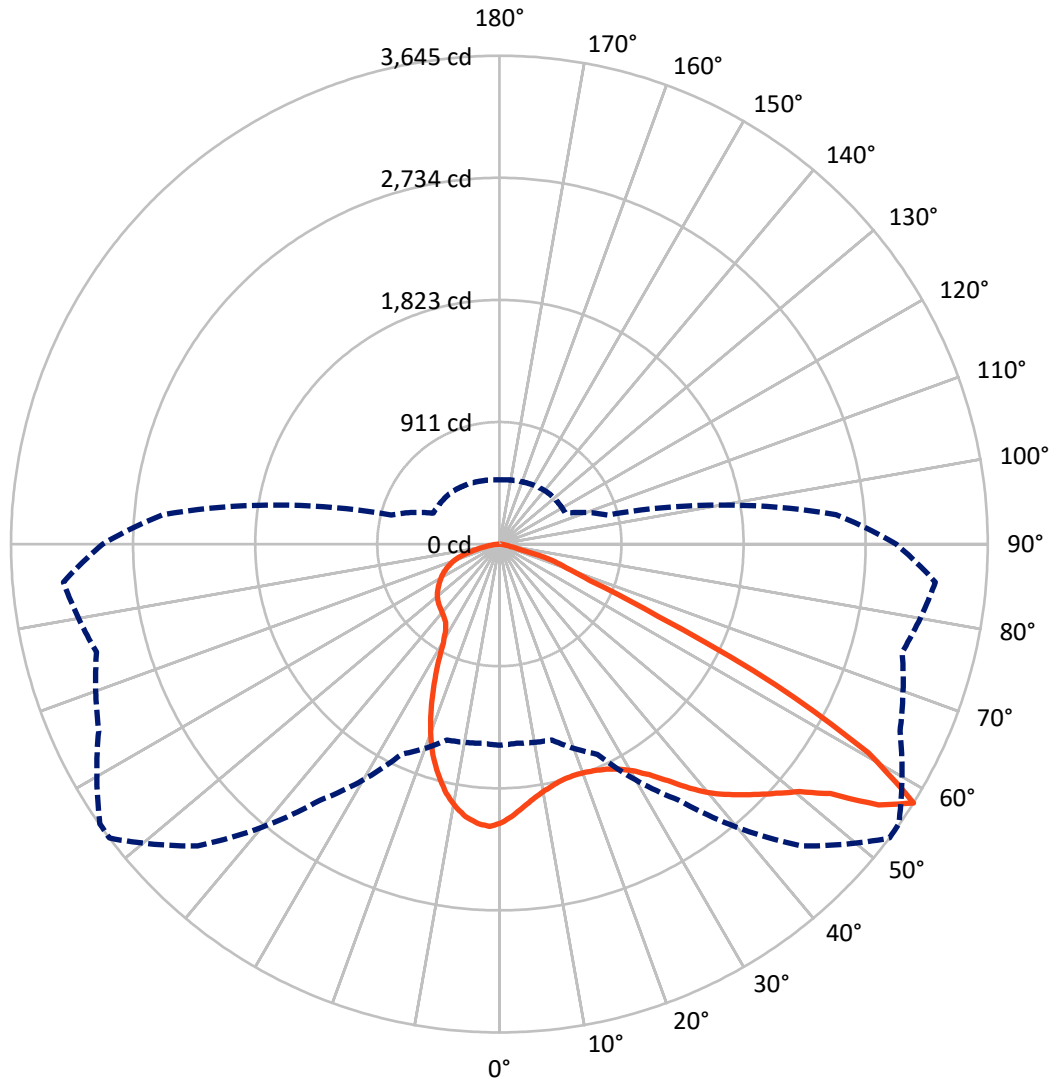
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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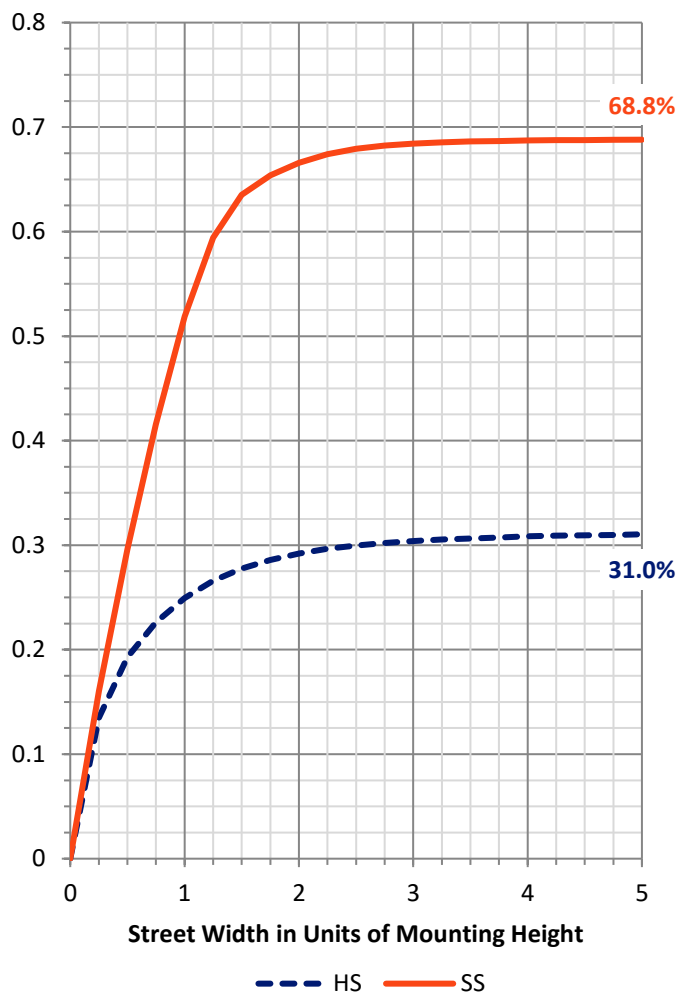
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2035.9 | 0.0 | 2035.9 |
| | % Fixture | 31.3 | 0.0 | 31.3 |
| Street Side | Lumens | 4475.5 | 0.0 | 4475.5 |
| | % Fixture | 68.7 | 0.0 | 68.7 |
| Total | Lumens | 6511.4 | 0.0 | 6511.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 188.0 | 2.9 |
| 10°-20° | 493.3 | 7.6 |
| 20°-30° | 726.8 | 11.2 |
| 30°-40° | 1017.3 | 15.6 |
| 40°-50° | 1337.4 | 20.5 |
| 50°-60° | 1568.1 | 24.1 |
| 60°-70° | 923.8 | 14.2 |
| 70°-80° | 229.8 | 3.5 |
| 80°-90° | 27.0 | 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° | 6511.4 | 100.0 |
| 0°-180° | 6511.4 | 100.0 |

Coefficient of Utilization



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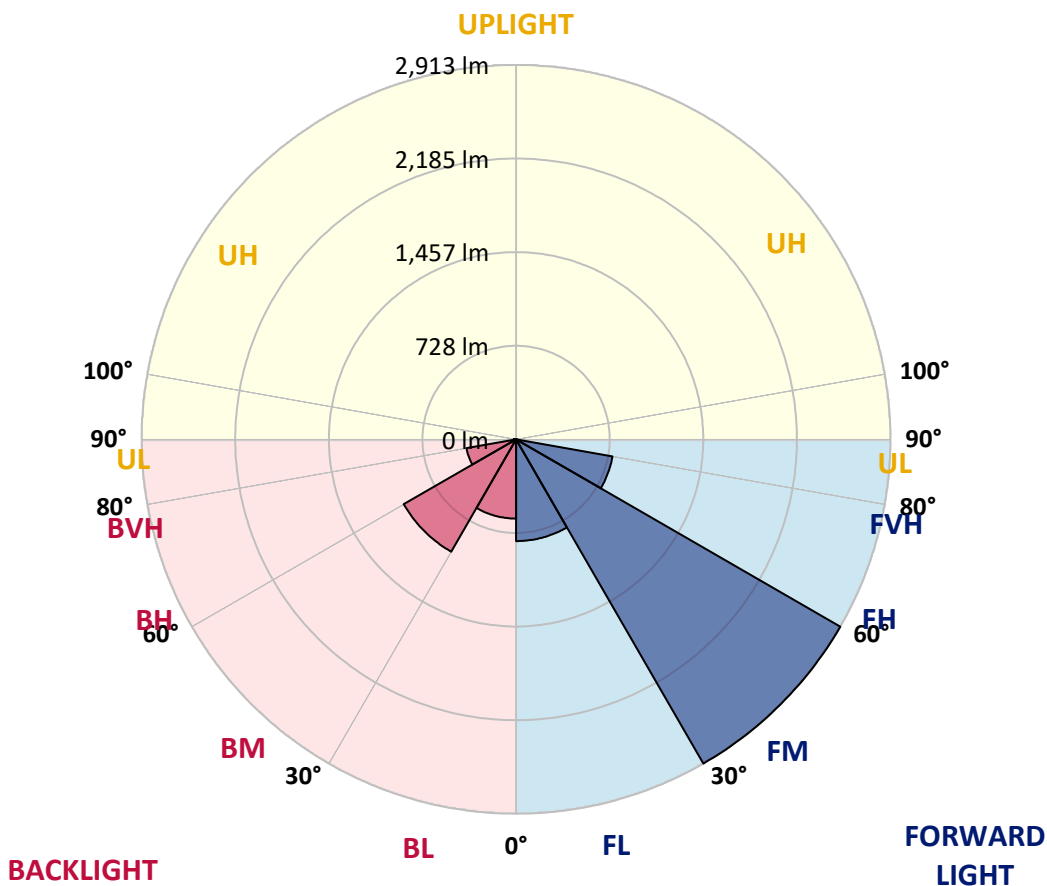
CATALOG NUMBER: GWS-SA1E-760-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 791.7 | 12.2 | | | |
| FM (30°-60°) | 2913.3 | 44.7 | | | |
| FH (60°-80°) | 761.6 | 11.7 | | | G1/1800 |
| FVH (80°-90°) | 9.0 | 0.1 | | | G0/10 |
| BL (0°-30°) | 616.5 | 9.5 | B2/1000 | | |
| BM (30°-60°) | 1009.5 | 15.5 | B2/2500 | | |
| BH (60°-80°) | 392.0 | 6.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 17.9 | 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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 |
| 2.5° | 1959.8 | 1965.3 | 1966.4 | 1983.4 | 1984.5 | 2009.1 | 2025.6 | 2022.3 | 2039.3 | 2060.1 | 2076.5 |
| 5° | 1866.1 | 1866.6 | 1872.1 | 1892.4 | 1903.3 | 1935.7 | 1963.1 | 1963.1 | 1996.0 | 2038.7 | 2075.4 |
| 7.5° | 1788.8 | 1788.3 | 1793.2 | 1815.7 | 1833.7 | 1872.7 | 1909.9 | 1914.3 | 1960.3 | 2022.8 | 2082.6 |
| 10° | 1717.0 | 1720.8 | 1726.3 | 1753.7 | 1776.7 | 1825.0 | 1869.4 | 1876.5 | 1934.6 | 2011.9 | 2092.4 |
| 12.5° | 1671.0 | 1671.5 | 1679.7 | 1710.4 | 1740.0 | 1791.5 | 1838.1 | 1846.9 | 1913.8 | 2001.4 | 2099.5 |
| 15° | 1641.4 | 1641.9 | 1650.7 | 1684.7 | 1719.2 | 1771.3 | 1818.9 | 1828.8 | 1901.7 | 1999.8 | 2113.2 |
| 17.5° | 1628.2 | 1627.7 | 1635.9 | 1669.9 | 1707.7 | 1762.0 | 1812.9 | 1825.0 | 1907.2 | 2012.4 | 2137.4 |
| 20° | 1628.2 | 1628.8 | 1633.2 | 1663.9 | 1702.2 | 1759.8 | 1818.9 | 1833.7 | 1928.6 | 2040.9 | 2174.6 |
| 22.5° | 1651.2 | 1653.4 | 1655.6 | 1676.5 | 1706.6 | 1763.0 | 1834.8 | 1854.6 | 1974.6 | 2088.6 | 2223.4 |
| 25° | 1696.2 | 1696.7 | 1698.9 | 1715.9 | 1729.6 | 1772.4 | 1861.1 | 1890.7 | 2046.4 | 2158.2 | 2284.8 |
| 27.5° | 1756.5 | 1764.1 | 1766.3 | 1777.3 | 1777.3 | 1795.4 | 1902.2 | 1945.0 | 2143.4 | 2258.5 | 2363.2 |
| 30° | 1840.9 | 1843.6 | 1847.4 | 1859.5 | 1846.3 | 1838.7 | 1962.5 | 2017.3 | 2255.7 | 2379.6 | 2457.4 |
| 32.5° | 1914.9 | 1920.9 | 1941.7 | 1961.4 | 1937.9 | 1913.8 | 2051.3 | 2116.0 | 2363.7 | 2505.6 | 2557.7 |
| 35° | 1977.9 | 1992.7 | 2032.7 | 2076.5 | 2060.1 | 2036.0 | 2169.1 | 2236.6 | 2452.5 | 2596.1 | 2646.5 |
| 37.5° | 2054.1 | 2065.6 | 2120.4 | 2191.6 | 2206.4 | 2194.9 | 2312.7 | 2361.0 | 2511.7 | 2619.1 | 2694.7 |
| 40° | 2131.3 | 2148.9 | 2219.6 | 2318.2 | 2374.7 | 2382.9 | 2445.4 | 2477.7 | 2531.9 | 2574.1 | 2685.4 |
| 42.5° | 2210.2 | 2240.4 | 2337.4 | 2452.5 | 2552.8 | 2571.4 | 2557.2 | 2570.9 | 2525.4 | 2512.2 | 2642.1 |
| 45° | 2306.7 | 2342.3 | 2451.9 | 2598.8 | 2730.9 | 2759.9 | 2666.8 | 2654.2 | 2524.3 | 2488.7 | 2615.2 |
| 47.5° | 2420.7 | 2456.3 | 2561.0 | 2732.0 | 2900.8 | 2922.2 | 2779.1 | 2756.1 | 2562.6 | 2524.8 | 2651.4 |
| 50° | 2521.5 | 2546.2 | 2639.9 | 2831.2 | 3059.2 | 3071.8 | 2903.0 | 2875.0 | 2658.0 | 2625.1 | 2764.3 |
| 52.5° | 2419.1 | 2416.3 | 2515.0 | 2750.6 | 3141.4 | 3293.2 | 3093.7 | 3066.8 | 2842.1 | 2791.7 | 2939.1 |
| 55° | 2052.4 | 2021.2 | 2109.4 | 2341.2 | 2911.7 | 3489.9 | 3435.7 | 3382.0 | 3087.7 | 2959.4 | 3103.0 |
| 57.5° | 1500.5 | 1491.8 | 1513.1 | 1730.7 | 2332.5 | 3185.2 | 3645.0 | 3640.1 | 3299.8 | 3112.9 | 3266.3 |
| 60° | 1173.4 | 1160.2 | 1103.2 | 1109.2 | 1589.9 | 2488.1 | 3163.3 | 3308.5 | 3431.3 | 3204.9 | 3380.3 |
| 62.5° | 1041.8 | 1032.0 | 1002.4 | 920.7 | 947.0 | 1668.2 | 2318.8 | 2451.9 | 2998.3 | 2830.6 | 2903.5 |
| 65° | 862.6 | 859.9 | 884.5 | 881.2 | 793.6 | 921.3 | 1308.7 | 1443.0 | 1885.3 | 1908.8 | 1885.3 |
| 67.5° | 627.0 | 622.0 | 684.5 | 807.8 | 764.0 | 695.5 | 729.4 | 776.0 | 966.7 | 868.1 | 781.5 |
| 70° | 407.7 | 400.6 | 436.8 | 583.7 | 684.0 | 606.1 | 525.6 | 517.9 | 531.6 | 330.5 | 357.3 |
| 72.5° | 273.5 | 265.3 | 264.7 | 321.2 | 413.2 | 408.3 | 407.2 | 403.4 | 360.1 | 260.9 | 289.4 |
| 75° | 152.4 | 145.8 | 144.1 | 138.7 | 148.0 | 150.7 | 160.6 | 166.1 | 179.8 | 197.8 | 219.2 |
| 77.5° | 25.8 | 25.2 | 31.8 | 40.6 | 55.9 | 71.8 | 88.8 | 93.7 | 115.6 | 137.0 | 150.7 |
| 80° | 14.2 | 14.8 | 19.2 | 23.6 | 31.2 | 42.7 | 54.8 | 58.1 | 71.2 | 82.8 | 93.7 |
| 82.5° | 7.7 | 7.7 | 9.9 | 12.6 | 17.0 | 22.5 | 29.6 | 32.3 | 41.1 | 48.2 | 55.9 |
| 85° | 2.7 | 2.7 | 3.8 | 4.9 | 7.1 | 9.3 | 11.5 | 13.2 | 18.1 | 24.7 | 28.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 1.1 | 2.2 | 2.2 | 2.7 | 4.9 | 7.1 |
| 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-760-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 | 2079.3 |
| 2.5° | 2090.2 | 2075.4 | 2095.7 | 2105.0 | 2108.3 | 2110.5 | 2096.3 | 2086.4 | 2083.1 | 2072.7 | 2066.7 |
| 5° | 2097.9 | 2088.0 | 2107.2 | 2107.2 | 2093.5 | 2079.3 | 2050.2 | 2029.9 | 2015.7 | 1998.7 | 1996.0 |
| 7.5° | 2111.1 | 2103.9 | 2114.3 | 2093.0 | 2058.4 | 2020.1 | 1969.7 | 1930.2 | 1898.4 | 1877.6 | 1878.1 |
| 10° | 2128.6 | 2119.8 | 2111.6 | 2063.9 | 2000.9 | 1930.2 | 1852.9 | 1795.4 | 1742.8 | 1718.7 | 1705.5 |
| 12.5° | 2140.1 | 2127.5 | 2093.0 | 2014.0 | 1921.4 | 1826.6 | 1717.6 | 1632.1 | 1555.9 | 1521.4 | 1518.6 |
| 15° | 2154.3 | 2131.3 | 2062.3 | 1949.4 | 1820.6 | 1691.3 | 1551.0 | 1432.0 | 1329.0 | 1275.3 | 1272.6 |
| 17.5° | 2173.0 | 2135.2 | 2025.6 | 1875.4 | 1714.3 | 1523.6 | 1347.1 | 1197.5 | 1087.9 | 1046.2 | 1053.3 |
| 20° | 2199.3 | 2139.6 | 1983.9 | 1793.2 | 1582.2 | 1332.8 | 1113.1 | 975.5 | 933.3 | 930.6 | 925.1 |
| 22.5° | 2228.9 | 2142.3 | 1937.9 | 1701.1 | 1422.2 | 1129.5 | 919.6 | 861.0 | 860.4 | 874.1 | 877.4 |
| 25° | 2262.3 | 2144.5 | 1885.8 | 1593.7 | 1249.0 | 926.7 | 813.3 | 795.8 | 809.5 | 835.2 | 838.5 |
| 27.5° | 2305.1 | 2148.9 | 1822.8 | 1475.9 | 1064.8 | 800.7 | 754.7 | 750.3 | 766.7 | 790.8 | 789.7 |
| 30° | 2368.1 | 2164.8 | 1755.9 | 1340.5 | 875.8 | 741.0 | 719.0 | 719.6 | 726.2 | 737.7 | 739.3 |
| 32.5° | 2432.2 | 2189.4 | 1690.7 | 1188.2 | 767.3 | 707.0 | 697.1 | 696.0 | 696.0 | 700.9 | 702.0 |
| 35° | 2493.0 | 2217.4 | 1620.0 | 1029.2 | 714.6 | 687.2 | 680.7 | 677.4 | 675.7 | 674.6 | 673.0 |
| 37.5° | 2527.0 | 2231.1 | 1551.0 | 872.5 | 686.7 | 674.1 | 667.5 | 663.1 | 657.1 | 652.7 | 651.6 |
| 40° | 2512.2 | 2215.2 | 1470.9 | 755.2 | 669.7 | 661.5 | 653.8 | 647.8 | 639.6 | 635.7 | 633.5 |
| 42.5° | 2462.9 | 2165.9 | 1383.8 | 699.8 | 656.0 | 647.8 | 638.5 | 628.6 | 623.1 | 619.8 | 619.3 |
| 45° | 2410.8 | 2106.1 | 1278.6 | 667.5 | 642.9 | 633.0 | 622.0 | 611.1 | 605.0 | 603.4 | 602.8 |
| 47.5° | 2409.2 | 2076.5 | 1166.8 | 641.8 | 627.0 | 617.1 | 603.4 | 592.4 | 585.9 | 583.7 | 581.5 |
| 50° | 2481.5 | 2106.7 | 1040.7 | 619.3 | 610.5 | 600.1 | 584.8 | 572.7 | 564.5 | 561.7 | 561.2 |
| 52.5° | 2631.7 | 2220.1 | 927.8 | 596.8 | 588.6 | 576.5 | 563.9 | 551.9 | 542.0 | 537.1 | 536.5 |
| 55° | 2793.9 | 2364.2 | 857.7 | 573.8 | 562.8 | 552.4 | 540.9 | 527.8 | 516.8 | 509.1 | 508.0 |
| 57.5° | 2961.6 | 2521.5 | 836.3 | 544.8 | 536.5 | 529.4 | 515.7 | 501.5 | 488.9 | 481.7 | 480.1 |
| 60° | 3099.7 | 2656.9 | 876.3 | 514.1 | 509.7 | 500.4 | 487.8 | 474.1 | 465.3 | 459.8 | 458.7 |
| 62.5° | 2595.0 | 2163.1 | 707.5 | 480.6 | 480.6 | 470.8 | 456.5 | 446.7 | 440.6 | 436.8 | 435.7 |
| 65° | 1646.9 | 1339.4 | 482.8 | 447.2 | 446.7 | 433.5 | 421.4 | 414.9 | 412.1 | 406.1 | 405.0 |
| 67.5° | 717.4 | 612.2 | 412.7 | 413.2 | 411.0 | 396.8 | 384.7 | 379.8 | 374.3 | 367.7 | 367.2 |
| 70° | 372.1 | 379.2 | 369.4 | 375.4 | 371.6 | 354.6 | 343.1 | 335.4 | 323.9 | 317.3 | 317.9 |
| 72.5° | 300.3 | 308.0 | 319.0 | 328.3 | 320.1 | 306.4 | 288.3 | 279.0 | 264.2 | 257.0 | 257.6 |
| 75° | 229.1 | 237.3 | 247.7 | 257.6 | 251.0 | 234.0 | 222.5 | 213.2 | 196.2 | 188.0 | 189.6 |
| 77.5° | 157.8 | 162.2 | 174.8 | 174.3 | 172.1 | 167.2 | 150.2 | 139.2 | 121.7 | 111.8 | 112.9 |
| 80° | 98.1 | 100.8 | 106.9 | 109.6 | 108.5 | 101.9 | 88.2 | 80.0 | 69.6 | 63.6 | 64.1 |
| 82.5° | 59.2 | 60.8 | 66.3 | 66.9 | 66.3 | 61.4 | 51.0 | 44.9 | 38.4 | 35.1 | 35.1 |
| 85° | 30.1 | 31.2 | 34.5 | 34.5 | 31.2 | 26.3 | 23.6 | 20.8 | 17.0 | 15.3 | 15.3 |
| 87.5° | 8.2 | 8.2 | 10.4 | 8.8 | 7.1 | 6.6 | 3.3 | 2.7 | 1.1 | 0.5 | 0.5 |
| 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)