

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: P631876

Luminaire Tested: GWS-SA2B-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6916.9 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

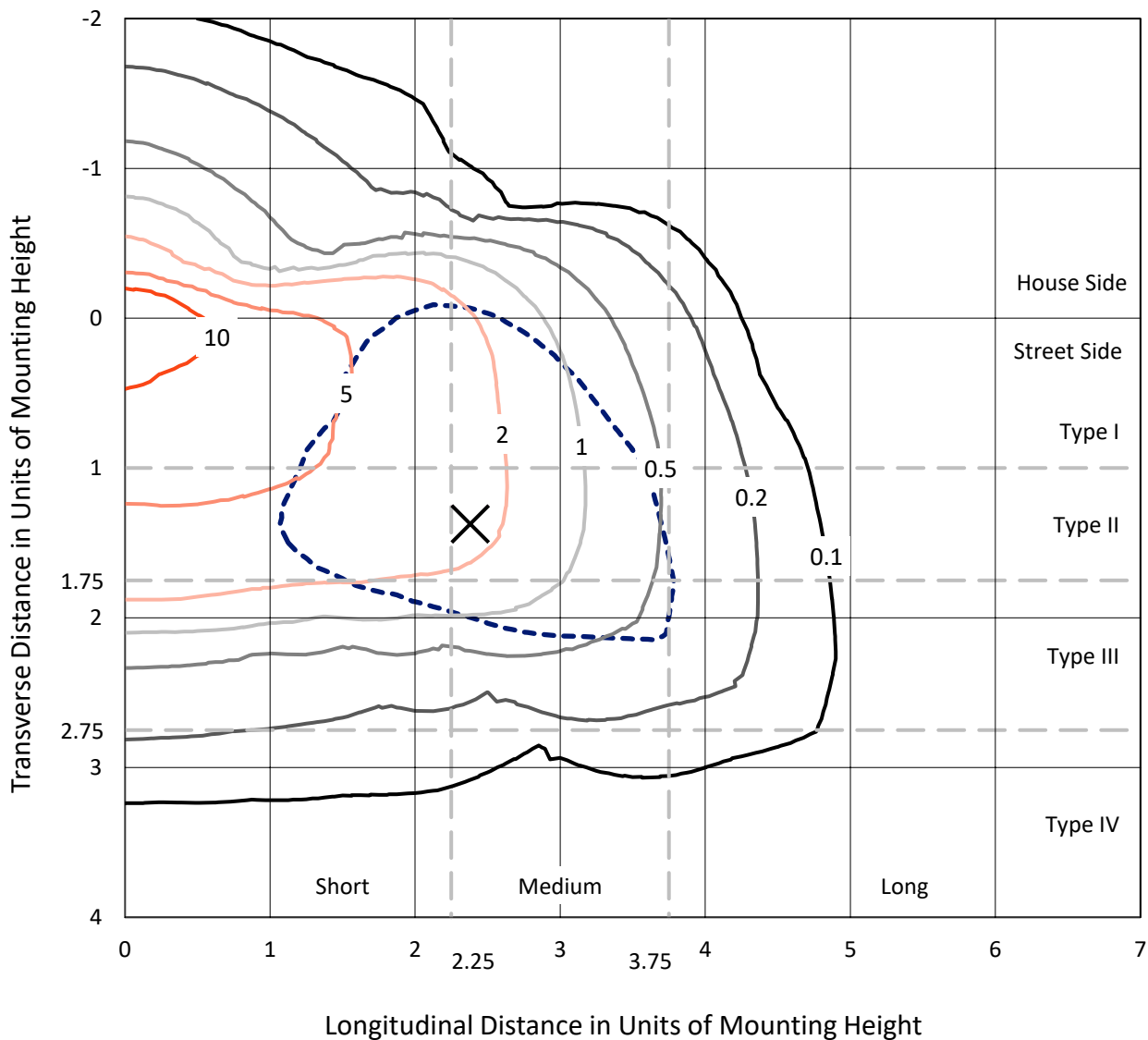
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

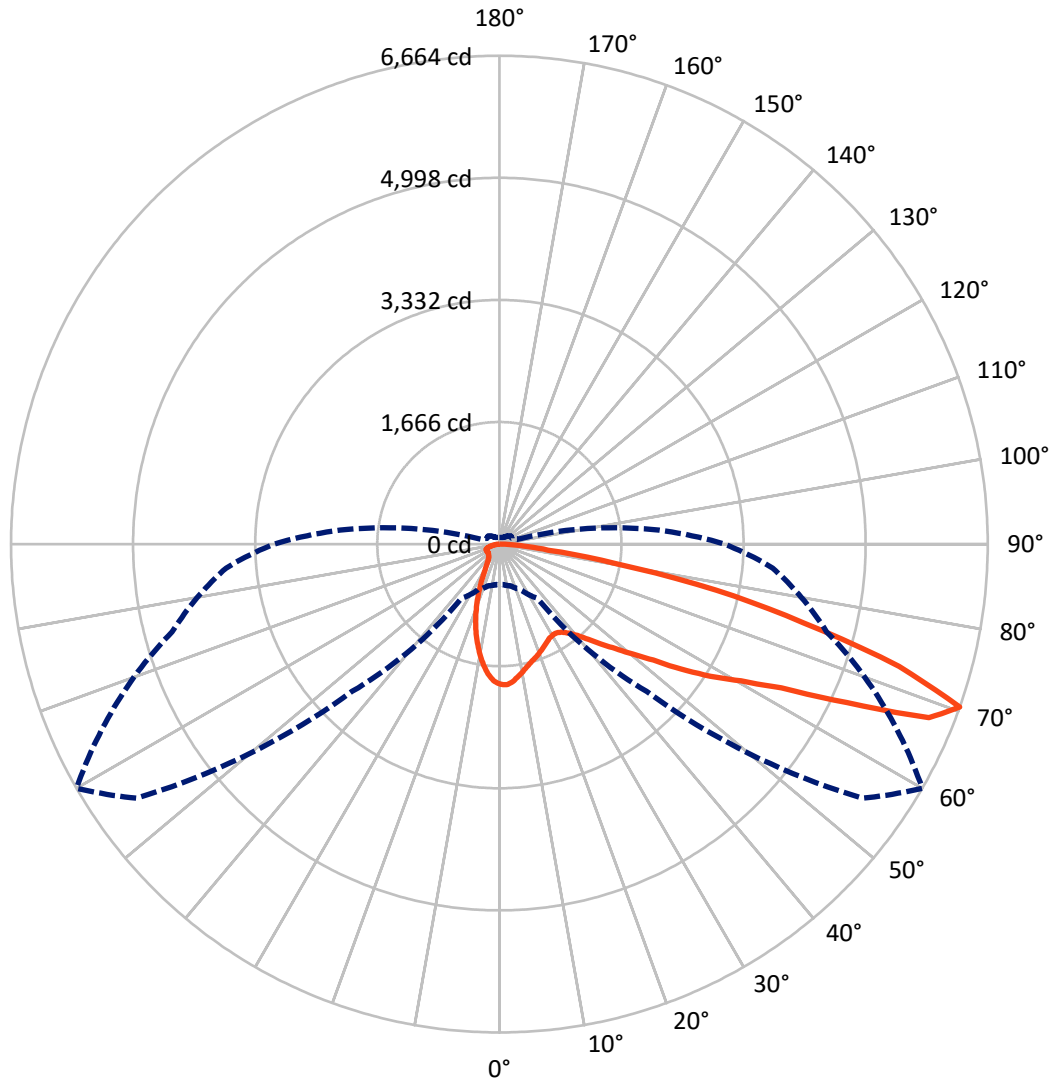
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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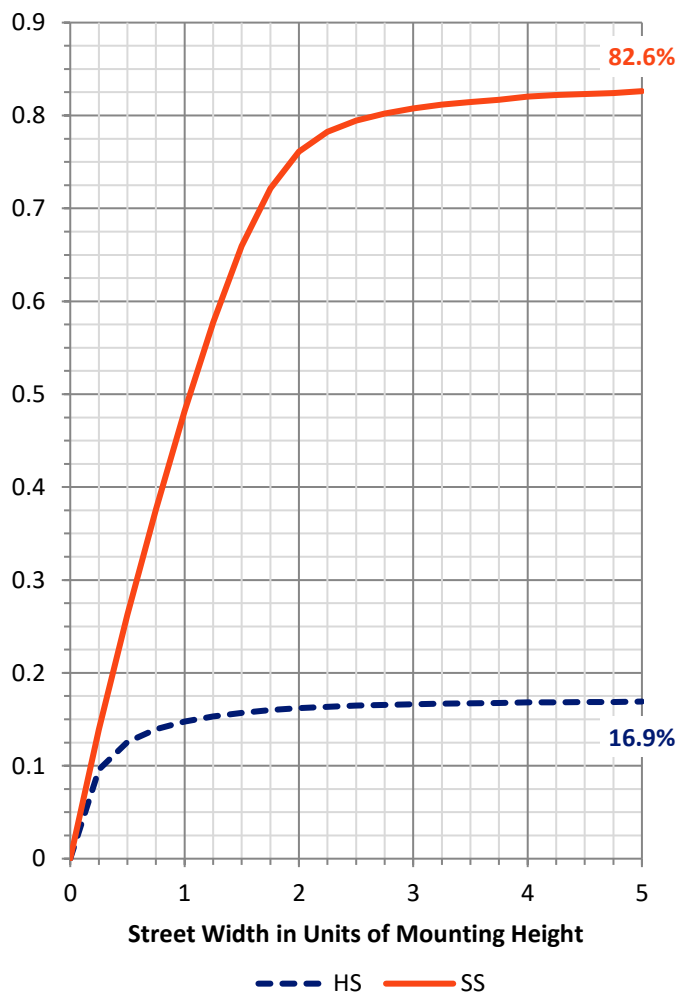
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1183.0 | 0.0 | 1183.0 |
| | % Fixture | 17.1 | 0.0 | 17.1 |
| Street Side | Lumens | 5733.9 | 0.0 | 5733.9 |
| | % Fixture | 82.9 | 0.0 | 82.9 |
| Total | Lumens | 6916.9 | 0.0 | 6916.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 165.0 | 2.4 |
| 10°-20° | 369.6 | 5.3 |
| 20°-30° | 473.3 | 6.8 |
| 30°-40° | 622.1 | 9.0 |
| 40°-50° | 902.5 | 13.0 |
| 50°-60° | 1408.2 | 20.4 |
| 60°-70° | 1843.6 | 26.7 |
| 70°-80° | 1019.4 | 14.7 |
| 80°-90° | 113.1 | 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° | 6916.9 | 100.0 |
| 0°-180° | 6916.9 | 100.0 |

Coefficient of Utilization



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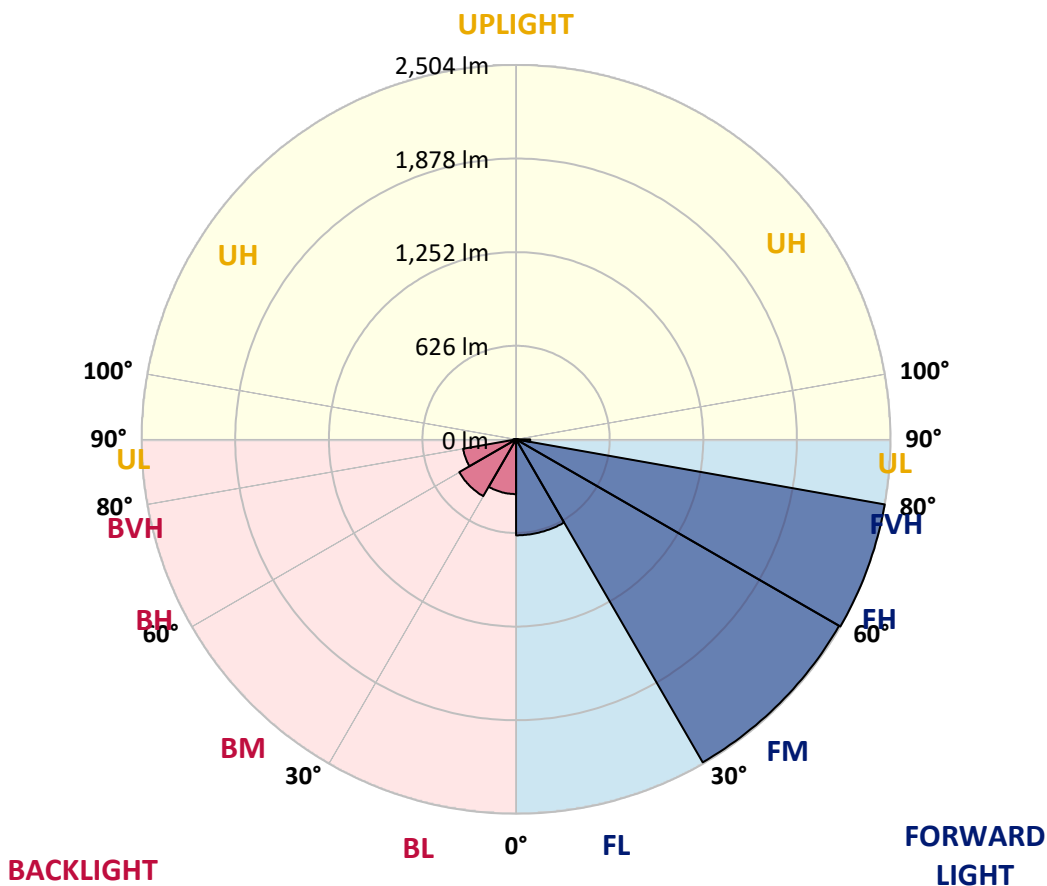
CATALOG NUMBER: GWS-SA2B-750-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 641.9 | 9.3 | | | |
| FM (30°-60°) | 2494.2 | 36.1 | | | |
| FH (60°-80°) | 2503.5 | 36.2 | | | G2/5000 |
| FVH (80°-90°) | 94.3 | 1.4 | | | G1/100 |
| BL (0°-30°) | 366.0 | 5.3 | B1/500 | | |
| BM (30°-60°) | 438.6 | 6.3 | B1/1000 | | |
| BH (60°-80°) | 359.5 | 5.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 18.9 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 |
| 2.5° | 1887.2 | 1889.2 | 1894.8 | 1902.9 | 1911.0 | 1915.0 | 1925.1 | 1922.1 | 1920.1 | 1916.0 | 1911.0 |
| 5° | 1803.7 | 1807.7 | 1812.8 | 1828.5 | 1846.2 | 1860.4 | 1883.1 | 1885.7 | 1886.7 | 1888.7 | 1880.6 |
| 7.5° | 1697.4 | 1698.4 | 1710.6 | 1731.3 | 1754.6 | 1778.9 | 1816.8 | 1827.5 | 1836.6 | 1846.7 | 1840.1 |
| 10° | 1580.0 | 1582.5 | 1591.6 | 1621.5 | 1661.5 | 1697.4 | 1748.5 | 1766.2 | 1785.5 | 1807.7 | 1798.6 |
| 12.5° | 1483.8 | 1484.3 | 1499.0 | 1530.9 | 1574.4 | 1623.0 | 1686.8 | 1708.0 | 1733.3 | 1768.2 | 1760.1 |
| 15° | 1407.4 | 1407.4 | 1421.1 | 1448.4 | 1498.5 | 1555.7 | 1631.6 | 1658.9 | 1693.3 | 1740.4 | 1726.2 |
| 17.5° | 1346.7 | 1347.2 | 1355.8 | 1384.6 | 1429.2 | 1492.4 | 1582.5 | 1619.5 | 1657.4 | 1719.7 | 1698.4 |
| 20° | 1314.8 | 1312.3 | 1313.8 | 1331.5 | 1369.5 | 1430.7 | 1533.4 | 1576.4 | 1627.6 | 1705.5 | 1673.1 |
| 22.5° | 1313.3 | 1308.7 | 1302.1 | 1303.7 | 1325.9 | 1376.5 | 1480.8 | 1532.9 | 1597.2 | 1693.9 | 1647.3 |
| 25° | 1339.1 | 1334.0 | 1322.4 | 1309.2 | 1307.2 | 1337.6 | 1431.2 | 1490.4 | 1565.8 | 1688.8 | 1622.5 |
| 27.5° | 1382.6 | 1379.1 | 1363.9 | 1344.1 | 1323.4 | 1322.4 | 1393.7 | 1455.5 | 1543.0 | 1693.9 | 1604.8 |
| 30° | 1440.3 | 1434.2 | 1424.6 | 1399.3 | 1367.9 | 1335.5 | 1379.1 | 1436.8 | 1527.9 | 1710.0 | 1597.2 |
| 32.5° | 1505.6 | 1502.0 | 1492.9 | 1467.6 | 1434.2 | 1382.6 | 1390.7 | 1440.8 | 1527.9 | 1738.4 | 1598.7 |
| 35° | 1574.9 | 1574.4 | 1574.4 | 1557.7 | 1520.8 | 1456.5 | 1436.8 | 1475.2 | 1551.1 | 1783.9 | 1614.9 |
| 37.5° | 1642.2 | 1641.7 | 1657.9 | 1664.0 | 1622.0 | 1552.7 | 1515.2 | 1544.1 | 1602.3 | 1851.2 | 1654.9 |
| 40° | 1696.9 | 1698.9 | 1734.3 | 1764.7 | 1741.4 | 1677.2 | 1624.5 | 1639.2 | 1685.2 | 1946.9 | 1724.7 |
| 42.5° | 1752.1 | 1757.6 | 1810.8 | 1864.4 | 1873.5 | 1817.8 | 1764.7 | 1773.3 | 1804.2 | 2073.4 | 1829.0 |
| 45° | 1812.3 | 1814.8 | 1889.2 | 1964.1 | 2008.1 | 1975.2 | 1931.7 | 1943.3 | 1950.4 | 2229.8 | 1984.3 |
| 47.5° | 1870.5 | 1877.1 | 1973.2 | 2075.9 | 2159.4 | 2156.4 | 2132.1 | 2128.6 | 2130.1 | 2420.1 | 2168.0 |
| 50° | 1949.9 | 1959.5 | 2072.4 | 2196.4 | 2318.9 | 2375.0 | 2382.1 | 2355.3 | 2344.2 | 2631.6 | 2396.8 |
| 52.5° | 2100.7 | 2100.7 | 2202.0 | 2323.9 | 2488.4 | 2627.6 | 2675.1 | 2631.1 | 2595.7 | 2855.3 | 2639.7 |
| 55° | 2289.5 | 2297.6 | 2378.1 | 2476.8 | 2685.3 | 2893.3 | 3054.2 | 3005.6 | 2905.4 | 3098.7 | 2894.3 |
| 57.5° | 2373.5 | 2383.6 | 2511.2 | 2664.5 | 2942.9 | 3195.4 | 3418.6 | 3401.4 | 3255.1 | 3351.8 | 3158.4 |
| 60° | 2221.7 | 2242.9 | 2418.6 | 2675.6 | 3176.2 | 3682.7 | 3840.1 | 3790.0 | 3581.0 | 3617.5 | 3444.9 |
| 62.5° | 1853.3 | 1876.5 | 2071.4 | 2430.2 | 3143.8 | 4209.6 | 4504.6 | 4319.9 | 3987.9 | 3953.0 | 3826.5 |
| 65° | 1105.8 | 1104.8 | 1339.1 | 1814.8 | 2744.5 | 4355.8 | 5556.3 | 5211.6 | 4616.5 | 4413.5 | 4219.2 |
| 67.5° | 702.9 | 701.4 | 750.5 | 961.6 | 1826.4 | 3997.5 | 6232.4 | 6322.0 | 5470.2 | 4752.1 | 4251.6 |
| 70° | 554.7 | 554.2 | 589.6 | 685.7 | 903.4 | 2844.7 | 6044.1 | 6664.1 | 5985.9 | 4623.0 | 3743.5 |
| 72.5° | 404.4 | 405.4 | 460.0 | 574.4 | 696.9 | 1428.2 | 4894.3 | 5702.0 | 5505.6 | 4081.0 | 3039.0 |
| 75° | 290.5 | 292.0 | 324.9 | 439.8 | 642.7 | 780.9 | 3254.6 | 4287.5 | 4188.8 | 3271.3 | 2090.6 |
| 77.5° | 184.7 | 186.7 | 215.6 | 308.2 | 519.2 | 630.6 | 1973.2 | 3026.9 | 2787.0 | 1843.1 | 743.4 |
| 80° | 112.9 | 119.4 | 143.7 | 229.8 | 415.0 | 473.2 | 986.4 | 1594.7 | 1395.8 | 505.6 | 250.0 |
| 82.5° | 58.2 | 63.3 | 86.5 | 142.2 | 285.9 | 415.5 | 558.2 | 670.1 | 432.2 | 211.5 | 133.1 |
| 85° | 18.2 | 21.3 | 30.4 | 57.7 | 136.1 | 257.6 | 369.4 | 333.0 | 198.4 | 99.7 | 61.7 |
| 87.5° | 4.6 | 4.6 | 5.1 | 5.1 | 5.6 | 11.6 | 71.4 | 75.4 | 52.6 | 31.4 | 25.3 |
| 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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 CATALOG NUMBER: GWS-SA2B-750-U-SL3-W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 | 1914.0 |
| 2.5° | 1900.8 | 1888.7 | 1883.6 | 1883.1 | 1870.5 | 1852.3 | 1840.1 | 1831.5 | 1826.4 | 1825.4 | 1825.4 |
| 5° | 1866.9 | 1851.2 | 1830.5 | 1814.8 | 1780.9 | 1746.5 | 1717.6 | 1701.4 | 1682.7 | 1680.2 | 1679.7 |
| 7.5° | 1821.9 | 1799.1 | 1759.6 | 1715.6 | 1656.4 | 1599.2 | 1550.6 | 1517.7 | 1484.8 | 1478.8 | 1476.7 |
| 10° | 1773.3 | 1742.4 | 1675.1 | 1597.7 | 1509.1 | 1423.6 | 1349.2 | 1291.0 | 1252.5 | 1225.2 | 1220.2 |
| 12.5° | 1725.2 | 1684.2 | 1585.5 | 1470.2 | 1348.7 | 1231.8 | 1120.0 | 1024.8 | 956.0 | 916.0 | 908.9 |
| 15° | 1680.2 | 1623.0 | 1487.9 | 1340.6 | 1182.7 | 1022.8 | 864.4 | 740.9 | 644.2 | 609.8 | 601.7 |
| 17.5° | 1639.2 | 1567.8 | 1393.2 | 1206.5 | 1009.6 | 800.6 | 620.5 | 510.6 | 454.0 | 436.7 | 432.7 |
| 20° | 1598.2 | 1511.2 | 1297.1 | 1065.3 | 825.9 | 591.6 | 453.4 | 401.8 | 380.6 | 374.0 | 372.0 |
| 22.5° | 1554.2 | 1448.9 | 1192.3 | 926.1 | 640.2 | 442.8 | 371.0 | 348.2 | 341.6 | 342.1 | 341.6 |
| 25° | 1510.1 | 1385.6 | 1082.5 | 774.8 | 476.7 | 359.3 | 323.9 | 315.3 | 316.8 | 321.4 | 322.4 |
| 27.5° | 1473.7 | 1329.5 | 974.7 | 608.8 | 372.5 | 309.2 | 292.5 | 292.0 | 297.6 | 303.6 | 304.7 |
| 30° | 1447.4 | 1279.4 | 868.4 | 468.1 | 306.7 | 274.8 | 268.2 | 271.3 | 277.8 | 282.4 | 283.9 |
| 32.5° | 1428.7 | 1236.4 | 755.1 | 367.9 | 268.7 | 250.5 | 247.5 | 250.5 | 254.6 | 259.1 | 260.1 |
| 35° | 1422.1 | 1205.0 | 643.7 | 300.1 | 242.9 | 232.8 | 230.8 | 232.3 | 234.3 | 236.8 | 237.9 |
| 37.5° | 1436.8 | 1189.3 | 527.3 | 261.1 | 227.2 | 221.2 | 218.1 | 217.1 | 217.6 | 218.6 | 219.1 |
| 40° | 1480.3 | 1196.4 | 432.2 | 238.4 | 217.1 | 211.5 | 206.5 | 204.5 | 204.0 | 205.0 | 204.5 |
| 42.5° | 1555.2 | 1226.2 | 363.4 | 225.2 | 209.0 | 200.9 | 195.3 | 193.3 | 193.3 | 195.9 | 195.9 |
| 45° | 1665.0 | 1284.9 | 313.8 | 215.6 | 201.9 | 191.8 | 185.7 | 184.7 | 186.7 | 190.8 | 191.3 |
| 47.5° | 1825.9 | 1371.0 | 283.9 | 208.5 | 195.3 | 183.7 | 177.6 | 177.1 | 181.2 | 187.8 | 188.3 |
| 50° | 2016.7 | 1495.0 | 267.7 | 203.4 | 190.8 | 177.1 | 171.1 | 171.6 | 176.1 | 183.2 | 184.7 |
| 52.5° | 2246.5 | 1664.0 | 268.7 | 201.4 | 188.3 | 173.1 | 167.0 | 166.0 | 170.5 | 177.6 | 179.2 |
| 55° | 2483.8 | 1869.5 | 288.5 | 201.9 | 184.7 | 171.1 | 163.0 | 159.4 | 163.5 | 168.5 | 169.0 |
| 57.5° | 2745.0 | 2101.2 | 337.6 | 200.9 | 180.2 | 169.0 | 159.4 | 151.3 | 153.8 | 156.9 | 158.4 |
| 60° | 3039.5 | 2374.0 | 443.3 | 202.9 | 178.1 | 164.5 | 152.3 | 141.7 | 141.2 | 143.2 | 143.7 |
| 62.5° | 3433.2 | 2745.0 | 562.3 | 206.5 | 182.7 | 158.9 | 141.7 | 130.6 | 128.5 | 129.6 | 130.1 |
| 65° | 3734.4 | 2922.1 | 524.8 | 203.4 | 192.3 | 154.9 | 131.6 | 119.9 | 115.9 | 114.9 | 114.9 |
| 67.5° | 3611.9 | 2687.8 | 365.4 | 195.3 | 196.9 | 155.4 | 123.5 | 108.8 | 103.7 | 101.2 | 100.7 |
| 70° | 3073.4 | 2183.2 | 254.1 | 187.2 | 191.8 | 154.4 | 114.9 | 99.7 | 93.1 | 89.6 | 89.1 |
| 72.5° | 2428.2 | 1667.0 | 205.5 | 171.1 | 174.1 | 139.2 | 102.2 | 89.6 | 84.0 | 79.5 | 79.5 |
| 75° | 1562.8 | 1017.2 | 171.6 | 152.3 | 142.2 | 108.3 | 88.6 | 80.0 | 74.4 | 69.8 | 69.8 |
| 77.5° | 525.8 | 377.5 | 133.1 | 129.1 | 106.3 | 81.5 | 74.4 | 68.8 | 64.3 | 60.2 | 59.7 |
| 80° | 213.6 | 179.2 | 97.7 | 97.7 | 74.4 | 62.2 | 58.2 | 55.7 | 52.6 | 47.6 | 47.6 |
| 82.5° | 124.0 | 108.8 | 68.3 | 59.2 | 49.6 | 43.0 | 40.5 | 38.0 | 38.0 | 34.4 | 34.4 |
| 85° | 59.7 | 60.2 | 41.0 | 36.4 | 28.3 | 24.8 | 23.8 | 22.3 | 21.8 | 19.7 | 19.2 |
| 87.5° | 32.4 | 32.9 | 20.7 | 16.2 | 11.1 | 9.6 | 8.1 | 7.6 | 7.1 | 6.6 | 6.6 |
| 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)