

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: P630886

Luminaire Tested: GWS-SA1E-750-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630886  
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-SA1E-750-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

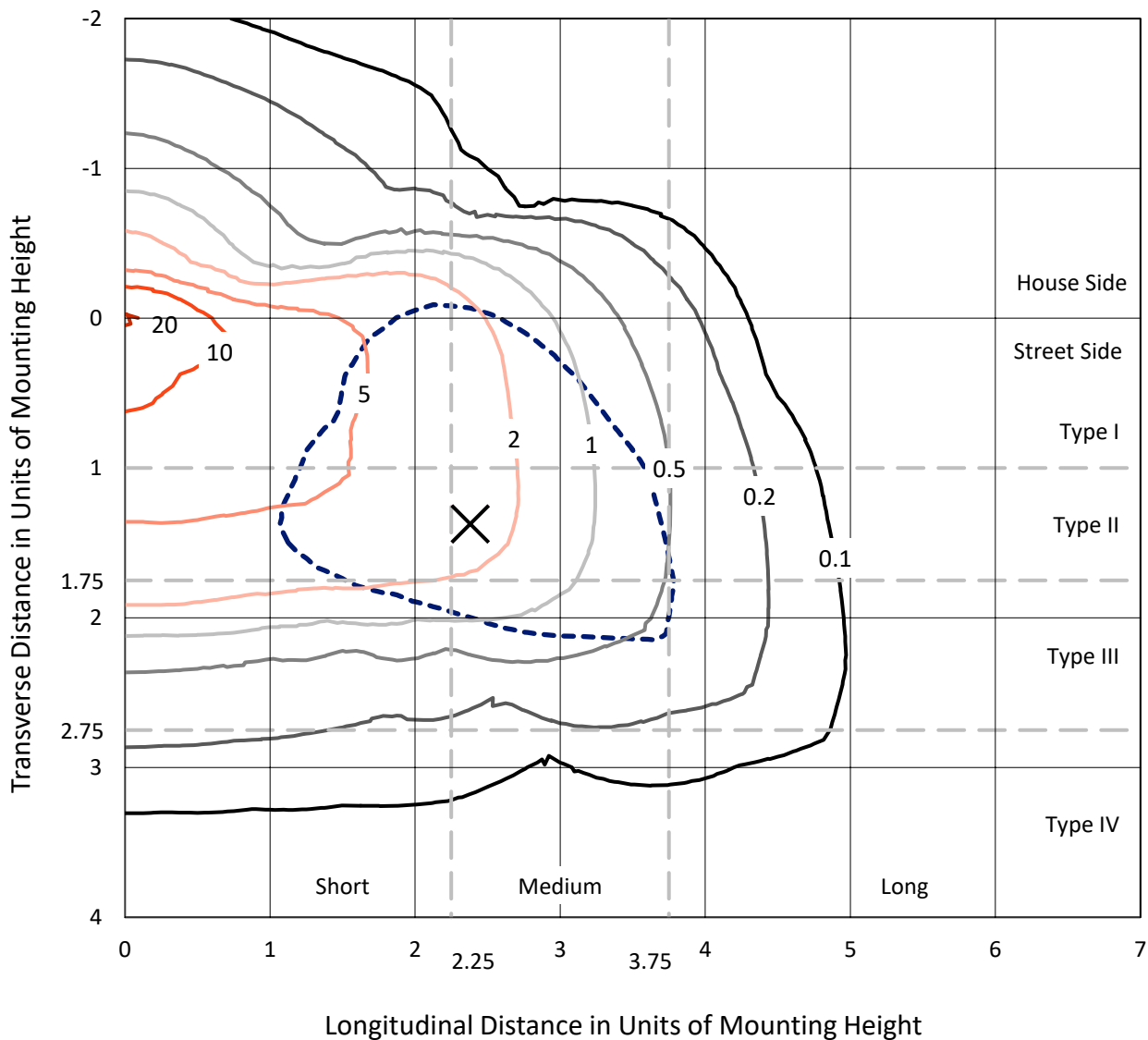
Lumens per Lamp: N/A  
Luminaire Lumens: 7594.8 lumens  
Efficiency: N/A  
Efficacy: 130.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

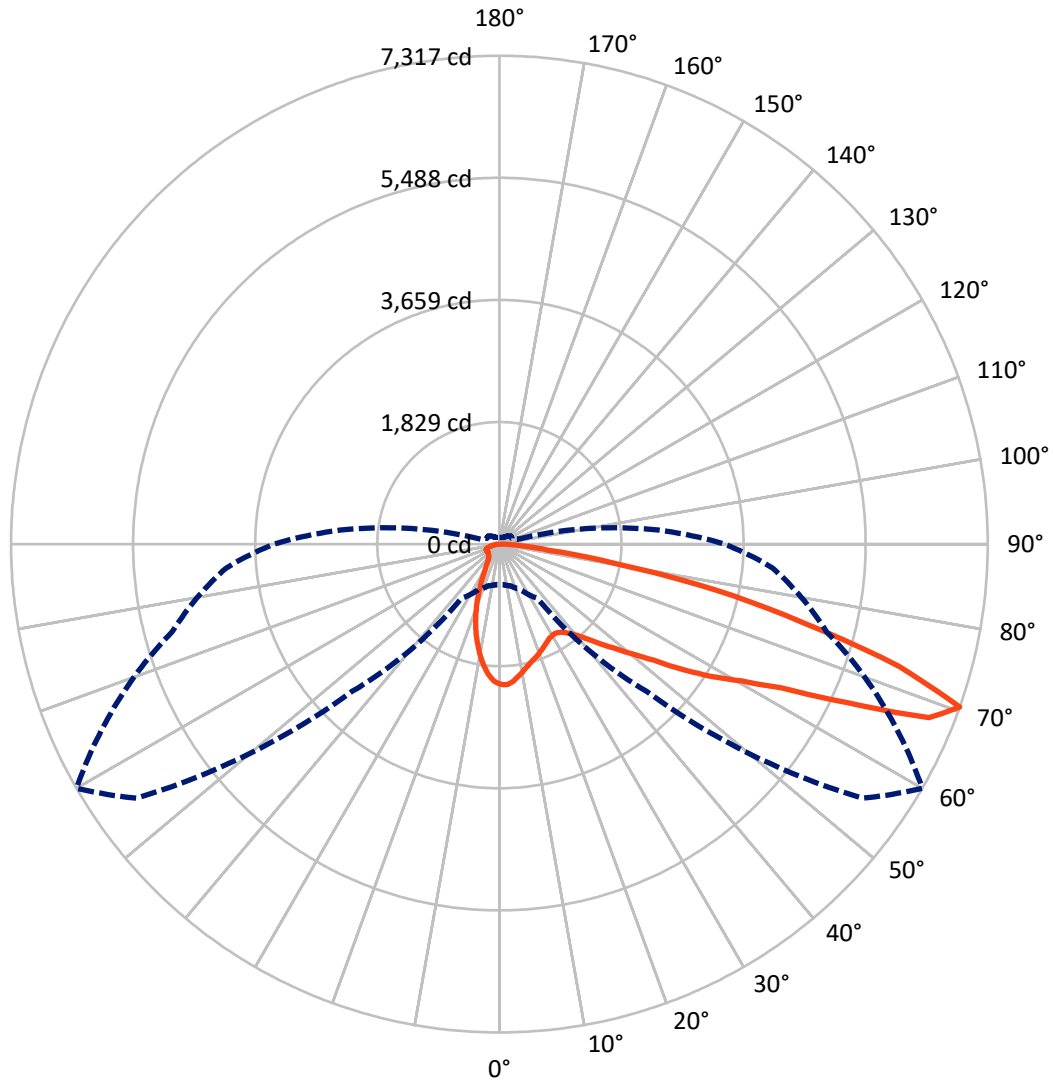
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 21 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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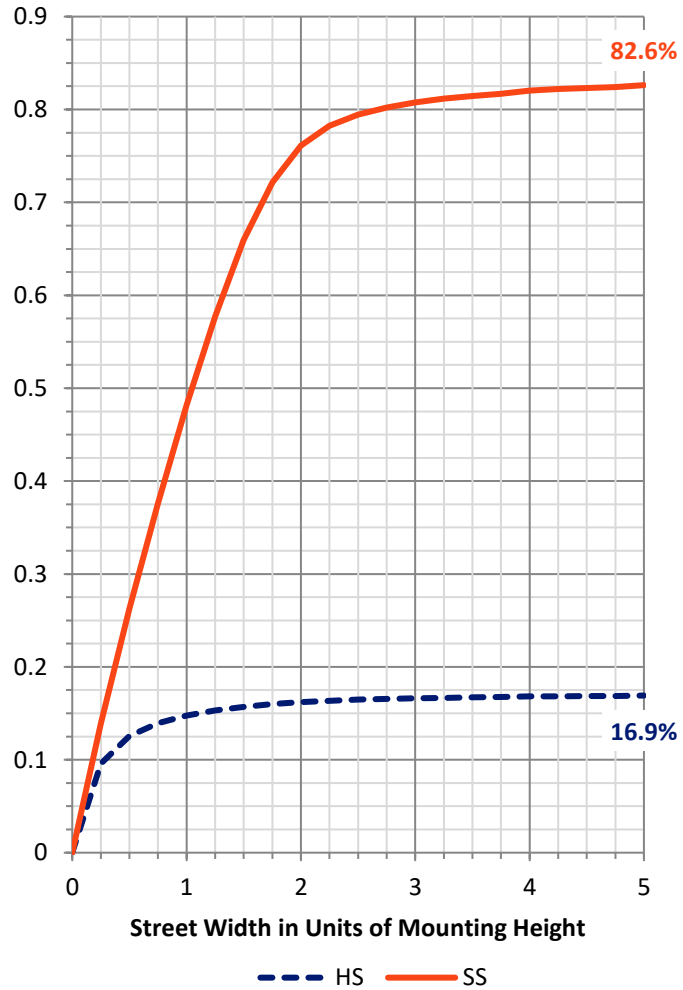
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1298.9   | 0.0    | 1298.9 |
|                    | % Fixture | 17.1     | 0.0    | 17.1   |
| <b>Street Side</b> | Lumens    | 6295.9   | 0.0    | 6295.9 |
|                    | % Fixture | 82.9     | 0.0    | 82.9   |
| <b>Total</b>       | Lumens    | 7594.8   | 0.0    | 7594.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 181.1  | 2.4       |
| 10°-20°   | 405.8  | 5.3       |
| 20°-30°   | 519.7  | 6.8       |
| 30°-40°   | 683.1  | 9.0       |
| 40°-50°   | 991.0  | 13.0      |
| 50°-60°   | 1546.2 | 20.4      |
| 60°-70°   | 2024.3 | 26.7      |
| 70°-80°   | 1119.4 | 14.7      |
| 80°-90°   | 124.2  | 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°    | 7594.8 | 100.0     |
| 0°-180°   | 7594.8 | 100.0     |

**Coefficient of Utilization**



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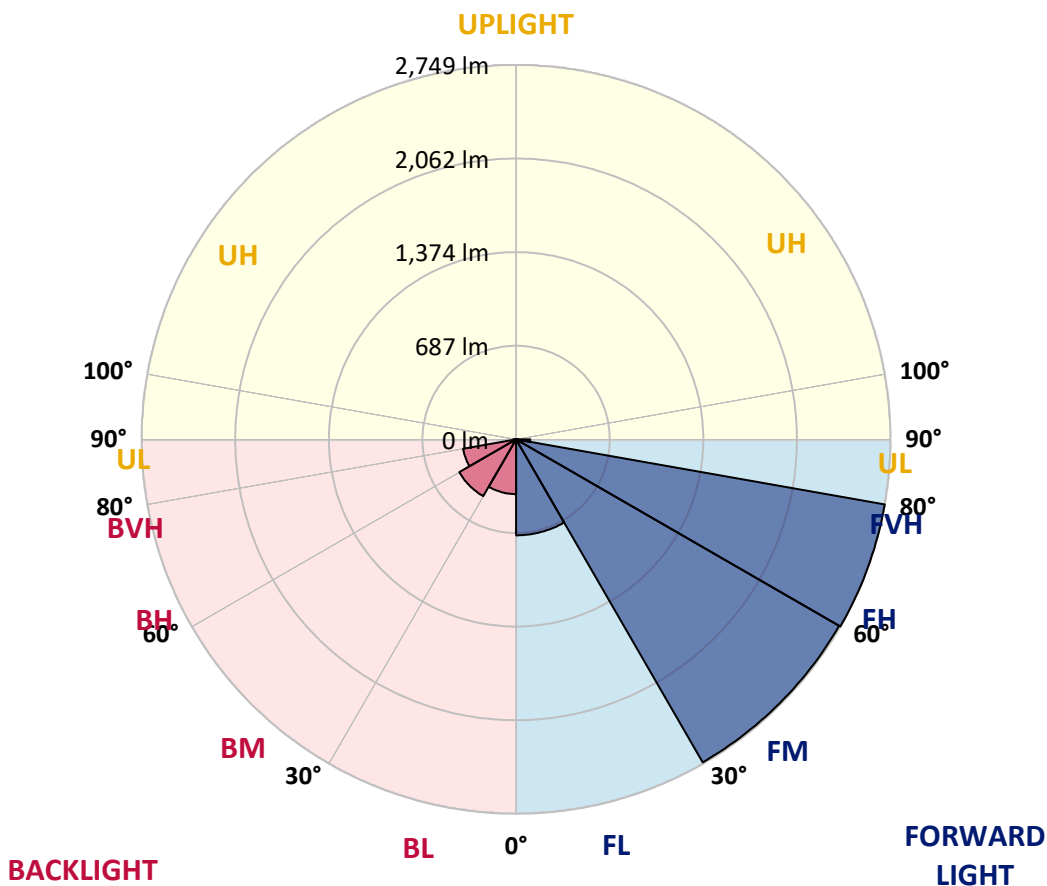
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 704.8  | 9.3       |                         |      |         |
| FM (30°-60°)   | 2738.7 | 36.1      |                         |      |         |
| FH (60°-80°)   | 2748.9 | 36.2      |                         |      | G2/5000 |
| FVH (80°-90°)  | 103.5  | 1.4       |                         |      | G2/225  |
| BL (0°-30°)    | 401.9  | 5.3       | B1/500                  |      |         |
| BM (30°-60°)   | 481.6  | 6.3       | B1/1000                 |      |         |
| BH (60°-80°)   | 394.7  | 5.2       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 20.7   | 0.3       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: 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°    | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 |
| 2.5°  | 2072.1 | 2074.4 | 2080.5 | 2089.4 | 2098.2 | 2102.7 | 2113.8 | 2110.5 | 2108.2 | 2103.8 | 2098.2 |
| 5°    | 1980.4 | 1984.9 | 1990.4 | 2007.7 | 2027.1 | 2042.7 | 2067.7 | 2070.5 | 2071.6 | 2073.8 | 2064.9 |
| 7.5°  | 1863.7 | 1864.9 | 1878.2 | 1901.0 | 1926.5 | 1953.2 | 1994.9 | 2006.6 | 2016.6 | 2027.7 | 2020.5 |
| 10°   | 1734.8 | 1737.6 | 1747.6 | 1780.4 | 1824.3 | 1863.7 | 1919.9 | 1939.3 | 1960.4 | 1984.9 | 1974.9 |
| 12.5° | 1629.3 | 1629.8 | 1645.9 | 1680.9 | 1728.7 | 1782.1 | 1852.1 | 1875.4 | 1903.2 | 1941.5 | 1932.7 |
| 15°   | 1545.3 | 1545.3 | 1560.3 | 1590.4 | 1645.4 | 1708.2 | 1791.5 | 1821.5 | 1859.3 | 1911.0 | 1895.4 |
| 17.5° | 1478.7 | 1479.2 | 1488.7 | 1520.3 | 1569.2 | 1638.7 | 1737.6 | 1778.2 | 1819.8 | 1888.2 | 1864.9 |
| 20°   | 1443.7 | 1440.9 | 1442.5 | 1462.0 | 1503.7 | 1570.9 | 1683.7 | 1730.9 | 1787.1 | 1872.6 | 1837.1 |
| 22.5° | 1442.0 | 1437.0 | 1429.8 | 1431.4 | 1455.9 | 1511.4 | 1625.9 | 1683.2 | 1753.7 | 1859.9 | 1808.7 |
| 25°   | 1470.3 | 1464.8 | 1452.0 | 1437.5 | 1435.3 | 1468.7 | 1571.5 | 1636.5 | 1719.3 | 1854.3 | 1781.5 |
| 27.5° | 1518.1 | 1514.2 | 1497.6 | 1475.9 | 1453.1 | 1452.0 | 1530.3 | 1598.1 | 1694.3 | 1859.9 | 1762.1 |
| 30°   | 1581.5 | 1574.8 | 1564.2 | 1536.5 | 1502.0 | 1466.4 | 1514.2 | 1577.6 | 1677.6 | 1877.6 | 1753.7 |
| 32.5° | 1653.1 | 1649.3 | 1639.3 | 1611.5 | 1574.8 | 1518.1 | 1527.0 | 1582.0 | 1677.6 | 1908.8 | 1755.4 |
| 35°   | 1729.3 | 1728.7 | 1728.7 | 1710.4 | 1669.8 | 1599.2 | 1577.6 | 1619.8 | 1703.2 | 1958.8 | 1773.2 |
| 37.5° | 1803.2 | 1802.6 | 1820.4 | 1827.1 | 1781.0 | 1704.8 | 1663.7 | 1695.4 | 1759.3 | 2032.7 | 1817.1 |
| 40°   | 1863.2 | 1865.4 | 1904.3 | 1937.7 | 1912.1 | 1841.5 | 1783.7 | 1799.8 | 1850.4 | 2137.7 | 1893.8 |
| 42.5° | 1923.8 | 1929.9 | 1988.2 | 2047.1 | 2057.1 | 1996.0 | 1937.7 | 1947.1 | 1981.0 | 2276.6 | 2008.2 |
| 45°   | 1989.9 | 1992.7 | 2074.4 | 2156.6 | 2204.9 | 2168.8 | 2121.0 | 2133.8 | 2141.6 | 2448.3 | 2178.8 |
| 47.5° | 2053.8 | 2061.0 | 2166.6 | 2279.4 | 2371.1 | 2367.7 | 2341.1 | 2337.2 | 2338.9 | 2657.3 | 2380.5 |
| 50°   | 2141.0 | 2151.6 | 2275.5 | 2411.6 | 2546.1 | 2607.8 | 2615.6 | 2586.1 | 2573.9 | 2889.5 | 2631.7 |
| 52.5° | 2306.6 | 2306.6 | 2417.8 | 2551.7 | 2732.3 | 2885.1 | 2937.3 | 2889.0 | 2850.1 | 3135.1 | 2898.4 |
| 55°   | 2513.9 | 2522.8 | 2611.1 | 2719.5 | 2948.4 | 3176.8 | 3353.5 | 3300.2 | 3190.2 | 3402.4 | 3177.9 |
| 57.5° | 2606.1 | 2617.2 | 2757.3 | 2925.7 | 3231.3 | 3508.6 | 3753.6 | 3734.7 | 3574.1 | 3680.3 | 3468.0 |
| 60°   | 2439.4 | 2462.8 | 2655.6 | 2937.9 | 3487.4 | 4043.7 | 4216.5 | 4161.5 | 3932.0 | 3972.0 | 3782.5 |
| 62.5° | 2034.9 | 2060.5 | 2274.4 | 2668.4 | 3451.9 | 4622.1 | 4946.1 | 4743.3 | 4378.8 | 4340.4 | 4201.5 |
| 65°   | 1214.2 | 1213.0 | 1470.3 | 1992.7 | 3013.4 | 4782.7 | 6100.8 | 5722.4 | 5068.9 | 4846.1 | 4632.7 |
| 67.5° | 771.8  | 770.2  | 824.1  | 1055.8 | 2005.4 | 4389.3 | 6843.2 | 6941.5 | 6006.3 | 5217.8 | 4668.3 |
| 70°   | 609.0  | 608.5  | 647.4  | 752.9  | 991.9  | 3123.5 | 6636.5 | 7317.2 | 6572.6 | 5076.1 | 4110.4 |
| 72.5° | 444.0  | 445.1  | 505.1  | 630.7  | 765.2  | 1568.1 | 5374.0 | 6260.8 | 6045.2 | 4481.0 | 3336.9 |
| 75°   | 319.0  | 320.6  | 356.7  | 482.9  | 705.7  | 857.4  | 3573.6 | 4707.7 | 4599.4 | 3591.9 | 2295.5 |
| 77.5° | 202.8  | 205.0  | 236.7  | 338.4  | 570.1  | 692.4  | 2166.6 | 3323.5 | 3060.1 | 2023.8 | 816.3  |
| 80°   | 123.9  | 131.1  | 157.8  | 252.3  | 455.7  | 519.6  | 1083.0 | 1750.9 | 1532.6 | 555.1  | 274.5  |
| 82.5° | 63.9   | 69.5   | 95.0   | 156.1  | 314.0  | 456.2  | 612.9  | 735.7  | 474.6  | 232.3  | 146.1  |
| 85°   | 20.0   | 23.3   | 33.3   | 63.3   | 149.5  | 282.8  | 405.6  | 365.6  | 217.8  | 109.5  | 67.8   |
| 87.5° | 5.0    | 5.0    | 5.6    | 5.6    | 6.1    | 12.8   | 78.4   | 82.8   | 57.8   | 34.5   | 27.8   |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 | 2101.6 |
| 2.5°  | 2087.1 | 2073.8 | 2068.2 | 2067.7 | 2053.8 | 2033.8 | 2020.5 | 2011.0 | 2005.4 | 2004.3 | 2004.3 |
| 5°    | 2049.9 | 2032.7 | 2009.9 | 1992.7 | 1955.4 | 1917.6 | 1886.0 | 1868.2 | 1847.6 | 1844.9 | 1844.3 |
| 7.5°  | 2000.4 | 1975.4 | 1932.1 | 1883.8 | 1818.7 | 1755.9 | 1702.6 | 1666.5 | 1630.4 | 1623.7 | 1621.5 |
| 10°   | 1947.1 | 1913.2 | 1839.3 | 1754.3 | 1657.0 | 1563.1 | 1481.4 | 1417.5 | 1375.3 | 1345.3 | 1339.7 |
| 12.5° | 1894.3 | 1849.3 | 1740.9 | 1614.2 | 1480.9 | 1352.5 | 1229.7 | 1125.3 | 1049.7 | 1005.8 | 998.0  |
| 15°   | 1844.9 | 1782.1 | 1633.7 | 1472.0 | 1298.6 | 1123.0 | 949.1  | 813.5  | 707.4  | 669.6  | 660.7  |
| 17.5° | 1799.8 | 1721.5 | 1529.8 | 1324.7 | 1108.6 | 879.1  | 681.3  | 560.7  | 498.4  | 479.6  | 475.1  |
| 20°   | 1754.8 | 1659.3 | 1424.2 | 1169.7 | 906.9  | 649.6  | 497.9  | 441.2  | 417.9  | 410.6  | 408.4  |
| 22.5° | 1706.5 | 1590.9 | 1309.2 | 1016.9 | 702.9  | 486.2  | 407.3  | 382.3  | 375.1  | 375.6  | 375.1  |
| 25°   | 1658.1 | 1521.5 | 1188.6 | 850.7  | 523.4  | 394.5  | 355.6  | 346.2  | 347.9  | 352.9  | 354.0  |
| 27.5° | 1618.1 | 1459.8 | 1070.2 | 668.5  | 409.0  | 339.5  | 321.2  | 320.6  | 326.7  | 333.4  | 334.5  |
| 30°   | 1589.2 | 1404.8 | 953.5  | 514.0  | 336.7  | 301.7  | 294.5  | 297.8  | 305.1  | 310.1  | 311.7  |
| 32.5° | 1568.7 | 1357.5 | 829.1  | 404.0  | 295.1  | 275.1  | 271.7  | 275.1  | 279.5  | 284.5  | 285.6  |
| 35°   | 1561.5 | 1323.1 | 706.8  | 329.5  | 266.7  | 255.6  | 253.4  | 255.1  | 257.3  | 260.1  | 261.2  |
| 37.5° | 1577.6 | 1305.8 | 579.0  | 286.7  | 249.5  | 242.8  | 239.5  | 238.4  | 238.9  | 240.1  | 240.6  |
| 40°   | 1625.4 | 1313.6 | 474.6  | 261.7  | 238.4  | 232.3  | 226.7  | 224.5  | 223.9  | 225.1  | 224.5  |
| 42.5° | 1707.6 | 1346.4 | 399.0  | 247.3  | 229.5  | 220.6  | 214.5  | 212.3  | 212.3  | 215.0  | 215.0  |
| 45°   | 1828.2 | 1410.9 | 344.5  | 236.7  | 221.7  | 210.6  | 203.9  | 202.8  | 205.0  | 209.5  | 210.0  |
| 47.5° | 2004.9 | 1505.3 | 311.7  | 228.9  | 214.5  | 201.7  | 195.0  | 194.5  | 198.9  | 206.2  | 206.7  |
| 50°   | 2214.4 | 1641.5 | 294.0  | 223.4  | 209.5  | 194.5  | 187.8  | 188.4  | 193.4  | 201.2  | 202.8  |
| 52.5° | 2466.7 | 1827.1 | 295.1  | 221.2  | 206.7  | 190.0  | 183.4  | 182.3  | 187.3  | 195.0  | 196.7  |
| 55°   | 2727.3 | 2052.7 | 316.7  | 221.7  | 202.8  | 187.8  | 178.9  | 175.0  | 179.5  | 185.0  | 185.6  |
| 57.5° | 3014.0 | 2307.2 | 370.6  | 220.6  | 197.8  | 185.6  | 175.0  | 166.1  | 168.9  | 172.3  | 173.9  |
| 60°   | 3337.4 | 2606.7 | 486.8  | 222.8  | 195.6  | 180.6  | 167.3  | 155.6  | 155.0  | 157.3  | 157.8  |
| 62.5° | 3769.7 | 3014.0 | 617.4  | 226.7  | 200.6  | 174.5  | 155.6  | 143.4  | 141.1  | 142.3  | 142.8  |
| 65°   | 4100.4 | 3208.5 | 576.2  | 223.4  | 211.2  | 170.0  | 144.5  | 131.7  | 127.3  | 126.1  | 126.1  |
| 67.5° | 3965.9 | 2951.2 | 401.2  | 214.5  | 216.2  | 170.6  | 135.6  | 119.5  | 113.9  | 111.1  | 110.6  |
| 70°   | 3374.6 | 2397.2 | 279.0  | 205.6  | 210.6  | 169.5  | 126.1  | 109.5  | 102.2  | 98.4   | 97.8   |
| 72.5° | 2666.1 | 1830.4 | 225.6  | 187.8  | 191.2  | 152.8  | 112.2  | 98.4   | 92.2   | 87.2   | 87.2   |
| 75°   | 1715.9 | 1116.9 | 188.4  | 167.3  | 156.1  | 118.9  | 97.2   | 87.8   | 81.7   | 76.7   | 76.7   |
| 77.5° | 577.4  | 414.5  | 146.1  | 141.7  | 116.7  | 89.5   | 81.7   | 75.6   | 70.6   | 66.1   | 65.6   |
| 80°   | 234.5  | 196.7  | 107.2  | 107.2  | 81.7   | 68.3   | 63.9   | 61.1   | 57.8   | 52.2   | 52.2   |
| 82.5° | 136.1  | 119.5  | 75.0   | 65.0   | 54.5   | 47.2   | 44.5   | 41.7   | 41.7   | 37.8   | 37.8   |
| 85°   | 65.6   | 66.1   | 45.0   | 40.0   | 31.1   | 27.2   | 26.1   | 24.4   | 23.9   | 21.7   | 21.1   |
| 87.5° | 35.6   | 36.1   | 22.8   | 17.8   | 12.2   | 10.6   | 8.9    | 8.3    | 7.8    | 7.2    | 7.2    |
| 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)