

Classified  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P585075

Luminaire Tested: **HCC8S60D010MW-HM86080830-81RWWC**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P585075  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8S60D010MW-HM86080830-81RWWC  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

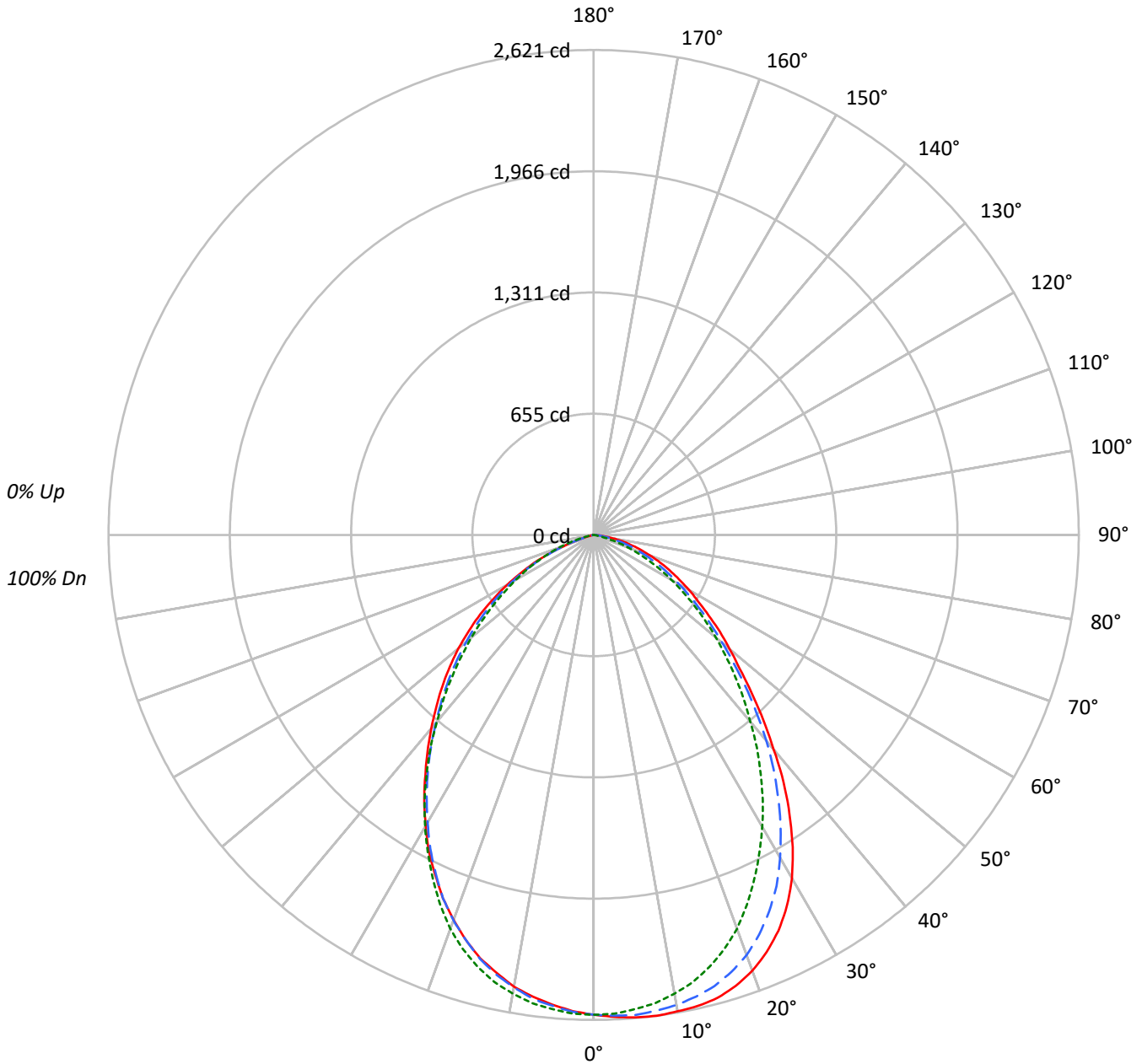
Lumens per Lamp: N/A  
Luminaire Lumens: 4928.9 lumens  
Efficiency: N/A  
Efficacy: 88.0 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 56  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P585075  
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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    |   |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |    | 0  |   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |   |
| 1   | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |    |    |   |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 91  | 86  | 82  | 87  | 84  | 81  | 85  | 82  | 79  | 77  |    |    |   |
| 3   | 95  | 86  | 79  | 73  | 93  | 84  | 78  | 73  | 82  | 76  | 72  | 79  | 74  | 70  | 76  | 73  | 69  | 67  |    |    |   |
| 4   | 88  | 77  | 70  | 64  | 86  | 76  | 69  | 64  | 74  | 68  | 63  | 72  | 66  | 62  | 69  | 65  | 61  | 59  |    |    |   |
| 5   | 81  | 70  | 62  | 56  | 80  | 69  | 62  | 56  | 67  | 61  | 56  | 65  | 59  | 55  | 63  | 58  | 54  | 52  |    |    |   |
| 6   | 76  | 64  | 56  | 50  | 74  | 63  | 55  | 50  | 61  | 55  | 50  | 60  | 54  | 49  | 58  | 53  | 49  | 47  |    |    |   |
| 7   | 71  | 59  | 51  | 45  | 69  | 58  | 50  | 45  | 56  | 50  | 45  | 55  | 49  | 44  | 54  | 48  | 44  | 42  |    |    |   |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 38  |    |    |   |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |    |    |   |
| 10  | 58  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 79971 | 79971 | 79971 |
| 5°  | 81025 | 79636 | 78883 |
| 10° | 81856 | 78819 | 77626 |
| 15° | 82683 | 77154 | 75609 |
| 20° | 82261 | 74310 | 72607 |
| 25° | 80348 | 69862 | 68919 |
| 30° | 76312 | 64847 | 64601 |
| 35° | 69476 | 59177 | 59696 |
| 40° | 60908 | 52966 | 54914 |
| 45° | 52549 | 47111 | 50434 |
| 50° | 46015 | 41362 | 45675 |
| 55° | 40762 | 35558 | 40208 |
| 60° | 36726 | 29899 | 33309 |
| 65° | 33097 | 23998 | 25516 |
| 70° | 29031 | 17482 | 14047 |
| 75° | 24746 | 9067  | 3705  |
| 80° | 19072 | 2451  | 622   |
| 85° | 12242 | 0     | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 244.7  | 5.0       |
| 10°-20°   | 687.9  | 14.0      |
| 20°-30°   | 976.3  | 19.8      |
| 30°-40°   | 1027.7 | 20.9      |
| 40°-50°   | 874.3  | 17.7      |
| 50°-60°   | 631.8  | 12.8      |
| 60°-70°   | 359.3  | 7.3       |
| 70°-80°   | 113.2  | 2.3       |
| 80°-90°   | 13.7   | 0.3       |
| 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°-30°    | 1908.9 | 38.7      |
| 0°-40°    | 2936.6 | 59.6      |
| 0°-60°    | 4442.6 | 90.1      |
| 0°-90°    | 4928.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4928.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2593 | 2593 | 2593 | 2593 | 2593 |      |
| 5°  | 2618 | 2604 | 2573 | 2555 | 2548 | 250  |
| 15° | 2590 | 2524 | 2417 | 2372 | 2368 | 729  |
| 25° | 2362 | 2244 | 2053 | 2019 | 2026 | 1082 |
| 35° | 1846 | 1738 | 1572 | 1562 | 1586 | 1148 |
| 45° | 1205 | 1160 | 1080 | 1108 | 1156 | 937  |
| 55° | 758  | 703  | 661  | 699  | 748  | 684  |
| 65° | 454  | 391  | 329  | 326  | 350  | 450  |
| 75° | 208  | 159  | 76   | 35   | 31   | 224  |
| 85° | 35   | 21   | 0    | 0    | 0    | 45   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 |
| 2.5°  | 2607.3 | 2610.7 | 2603.8 | 2603.8 | 2610.7 | 2603.8 | 2607.3 | 2607.3 | 2603.8 | 2603.8 | 2600.3 |
| 5°    | 2617.6 | 2614.2 | 2614.2 | 2614.2 | 2617.6 | 2610.7 | 2607.3 | 2610.7 | 2603.8 | 2603.8 | 2603.8 |
| 7.5°  | 2621.1 | 2621.1 | 2617.6 | 2614.2 | 2614.2 | 2614.2 | 2610.7 | 2607.3 | 2603.8 | 2596.9 | 2593.4 |
| 10°   | 2614.2 | 2614.2 | 2617.6 | 2610.7 | 2610.7 | 2603.8 | 2603.8 | 2596.9 | 2596.9 | 2590.0 | 2579.6 |
| 12.5° | 2607.3 | 2603.8 | 2603.8 | 2596.9 | 2596.9 | 2590.0 | 2590.0 | 2579.6 | 2576.1 | 2565.7 | 2555.4 |
| 15°   | 2590.0 | 2586.5 | 2579.6 | 2576.1 | 2572.7 | 2569.2 | 2562.3 | 2558.8 | 2548.4 | 2534.6 | 2524.1 |
| 17.5° | 2555.4 | 2551.9 | 2548.4 | 2541.5 | 2534.6 | 2531.1 | 2527.7 | 2517.2 | 2503.3 | 2493.0 | 2475.7 |
| 20°   | 2506.8 | 2503.3 | 2503.3 | 2493.0 | 2489.5 | 2479.1 | 2475.7 | 2461.8 | 2451.4 | 2430.7 | 2416.8 |
| 22.5° | 2441.1 | 2444.5 | 2437.6 | 2430.7 | 2423.8 | 2413.4 | 2406.5 | 2392.6 | 2375.3 | 2354.6 | 2337.1 |
| 25°   | 2361.5 | 2364.9 | 2358.0 | 2351.0 | 2340.6 | 2333.7 | 2326.8 | 2306.0 | 2288.7 | 2264.5 | 2243.7 |
| 27.5° | 2261.0 | 2261.0 | 2261.0 | 2254.1 | 2236.8 | 2233.3 | 2226.4 | 2205.6 | 2181.4 | 2160.5 | 2139.8 |
| 30°   | 2143.2 | 2139.8 | 2139.8 | 2129.4 | 2122.5 | 2108.6 | 2098.3 | 2081.0 | 2063.7 | 2039.4 | 2015.2 |
| 32.5° | 2001.3 | 2004.8 | 1994.3 | 1987.4 | 1977.0 | 1977.0 | 1963.2 | 1949.4 | 1928.6 | 1904.4 | 1880.2 |
| 35°   | 1845.6 | 1849.0 | 1842.1 | 1838.6 | 1821.2 | 1817.8 | 1814.3 | 1797.0 | 1783.2 | 1765.9 | 1738.2 |
| 37.5° | 1686.3 | 1682.8 | 1679.4 | 1679.4 | 1669.0 | 1662.0 | 1655.1 | 1644.6 | 1623.9 | 1610.0 | 1596.2 |
| 40°   | 1513.1 | 1513.1 | 1513.1 | 1509.7 | 1506.2 | 1499.3 | 1495.8 | 1488.9 | 1475.0 | 1461.1 | 1450.7 |
| 42.5° | 1357.3 | 1357.3 | 1353.9 | 1350.4 | 1343.5 | 1346.9 | 1340.0 | 1333.1 | 1319.3 | 1308.9 | 1301.8 |
| 45°   | 1205.0 | 1205.0 | 1205.0 | 1208.4 | 1201.5 | 1191.1 | 1191.1 | 1184.2 | 1177.3 | 1170.4 | 1160.0 |
| 47.5° | 1069.9 | 1080.3 | 1073.4 | 1069.9 | 1073.4 | 1059.5 | 1059.5 | 1052.6 | 1045.7 | 1038.8 | 1024.9 |
| 50°   | 959.2  | 959.2  | 959.2  | 952.1  | 948.7  | 948.7  | 938.3  | 931.4  | 927.9  | 921.0  | 907.1  |
| 52.5° | 858.7  | 851.8  | 851.8  | 848.3  | 844.9  | 837.9  | 837.9  | 831.0  | 817.2  | 810.3  | 799.9  |
| 55°   | 758.2  | 758.2  | 754.8  | 751.3  | 747.9  | 744.4  | 740.9  | 730.6  | 723.6  | 713.3  | 702.9  |
| 57.5° | 668.3  | 675.2  | 671.7  | 664.8  | 657.9  | 657.9  | 651.0  | 644.1  | 633.7  | 623.3  | 612.9  |
| 60°   | 595.5  | 592.0  | 592.0  | 588.6  | 581.7  | 578.2  | 574.7  | 564.4  | 554.0  | 543.6  | 533.2  |
| 62.5° | 519.4  | 519.4  | 519.4  | 512.5  | 505.5  | 502.1  | 498.6  | 491.7  | 477.9  | 467.5  | 460.6  |
| 65°   | 453.6  | 450.2  | 446.7  | 443.3  | 439.8  | 432.8  | 429.3  | 422.4  | 412.0  | 401.6  | 391.2  |
| 67.5° | 387.8  | 384.3  | 384.3  | 380.9  | 370.5  | 367.0  | 367.0  | 356.6  | 346.3  | 335.9  | 325.5  |
| 70°   | 322.0  | 322.0  | 322.0  | 315.1  | 311.6  | 308.2  | 304.7  | 297.8  | 287.4  | 277.0  | 266.7  |
| 72.5° | 266.7  | 263.2  | 263.2  | 259.6  | 249.2  | 245.8  | 242.3  | 235.4  | 225.0  | 218.1  | 211.2  |
| 75°   | 207.7  | 207.7  | 204.3  | 200.8  | 197.3  | 193.9  | 190.4  | 183.5  | 173.1  | 162.7  | 159.3  |
| 77.5° | 159.3  | 155.8  | 155.8  | 152.4  | 145.4  | 142.0  | 142.0  | 135.1  | 124.7  | 117.8  | 110.8  |
| 80°   | 107.4  | 110.8  | 107.4  | 103.9  | 100.5  | 97.0   | 93.5   | 90.1   | 83.0   | 76.1   | 69.2   |
| 82.5° | 65.7   | 69.2   | 65.7   | 65.7   | 62.3   | 58.8   | 58.8   | 51.9   | 48.4   | 45.0   | 41.5   |
| 85°   | 34.6   | 34.6   | 34.6   | 34.6   | 31.1   | 31.1   | 31.1   | 27.7   | 24.2   | 20.8   | 20.8   |
| 87.5° | 10.4   | 13.8   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 6.9    | 6.9    | 6.9    |
| 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):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 |
| 2.5°  | 2603.8 | 2600.3 | 2596.9 | 2596.9 | 2596.9 | 2596.9 | 2596.9 | 2593.4 | 2590.0 | 2590.0 | 2590.0 |
| 5°    | 2596.9 | 2596.9 | 2596.9 | 2593.4 | 2590.0 | 2590.0 | 2583.0 | 2579.6 | 2576.1 | 2572.7 | 2569.2 |
| 7.5°  | 2590.0 | 2583.0 | 2579.6 | 2576.1 | 2572.7 | 2572.7 | 2565.7 | 2558.8 | 2558.8 | 2551.9 | 2545.0 |
| 10°   | 2569.2 | 2565.7 | 2558.8 | 2551.9 | 2548.4 | 2545.0 | 2538.1 | 2527.7 | 2524.1 | 2517.2 | 2510.3 |
| 12.5° | 2545.0 | 2538.1 | 2531.1 | 2517.2 | 2513.7 | 2510.3 | 2496.4 | 2486.0 | 2479.1 | 2475.7 | 2458.4 |
| 15°   | 2513.7 | 2499.9 | 2489.5 | 2472.2 | 2468.7 | 2461.8 | 2451.4 | 2441.1 | 2427.2 | 2416.8 | 2409.9 |
| 17.5° | 2458.4 | 2444.5 | 2427.2 | 2409.9 | 2403.0 | 2403.0 | 2385.7 | 2371.9 | 2354.6 | 2347.5 | 2333.7 |
| 20°   | 2392.6 | 2375.3 | 2361.5 | 2340.6 | 2330.2 | 2319.8 | 2309.5 | 2288.7 | 2274.9 | 2264.5 | 2247.2 |
| 22.5° | 2316.4 | 2292.2 | 2274.9 | 2254.1 | 2236.8 | 2226.4 | 2209.1 | 2191.8 | 2174.4 | 2164.0 | 2150.2 |
| 25°   | 2219.5 | 2198.7 | 2170.9 | 2150.2 | 2139.8 | 2125.9 | 2105.2 | 2087.9 | 2070.6 | 2053.3 | 2046.4 |
| 27.5° | 2112.1 | 2084.4 | 2060.2 | 2036.0 | 2025.6 | 2015.2 | 1990.9 | 1970.1 | 1956.3 | 1939.0 | 1932.1 |
| 30°   | 1994.3 | 1966.7 | 1939.0 | 1918.2 | 1907.8 | 1890.5 | 1876.7 | 1852.5 | 1835.2 | 1821.2 | 1803.9 |
| 32.5° | 1859.4 | 1838.6 | 1814.3 | 1783.2 | 1776.2 | 1762.4 | 1741.6 | 1731.3 | 1710.5 | 1700.1 | 1686.3 |
| 35°   | 1714.0 | 1700.1 | 1675.9 | 1651.6 | 1641.2 | 1634.3 | 1617.0 | 1596.2 | 1582.3 | 1572.0 | 1565.0 |
| 37.5° | 1575.4 | 1558.1 | 1533.9 | 1516.6 | 1509.7 | 1499.3 | 1478.4 | 1468.0 | 1454.2 | 1447.3 | 1433.4 |
| 40°   | 1426.5 | 1409.2 | 1391.9 | 1381.5 | 1371.2 | 1364.2 | 1350.4 | 1340.0 | 1326.2 | 1315.8 | 1312.3 |
| 42.5° | 1281.1 | 1270.7 | 1256.9 | 1243.0 | 1239.6 | 1229.2 | 1222.3 | 1211.9 | 1201.5 | 1198.0 | 1187.7 |
| 45°   | 1149.6 | 1139.2 | 1125.3 | 1111.4 | 1108.0 | 1101.0 | 1097.6 | 1087.2 | 1080.3 | 1080.3 | 1080.3 |
| 47.5° | 1018.0 | 1007.6 | 993.8  | 986.8  | 990.3  | 976.5  | 976.5  | 973.0  | 966.1  | 966.1  | 969.5  |
| 50°   | 900.2  | 886.4  | 882.9  | 876.0  | 869.1  | 862.2  | 865.6  | 855.2  | 855.2  | 862.2  | 858.7  |
| 52.5° | 789.5  | 775.5  | 772.1  | 765.2  | 761.7  | 761.7  | 758.2  | 758.2  | 754.8  | 758.2  | 758.2  |
| 55°   | 689.0  | 678.7  | 671.7  | 664.8  | 661.4  | 661.4  | 661.4  | 657.9  | 654.4  | 661.4  | 664.8  |
| 57.5° | 599.0  | 595.5  | 588.6  | 578.2  | 574.7  | 571.3  | 567.8  | 567.8  | 567.8  | 567.8  | 571.3  |
| 60°   | 519.4  | 512.5  | 505.5  | 495.2  | 495.2  | 491.7  | 488.2  | 484.8  | 484.8  | 484.8  | 484.8  |
| 62.5° | 450.2  | 439.8  | 429.3  | 422.4  | 418.9  | 415.5  | 412.0  | 405.1  | 405.1  | 405.1  | 405.1  |
| 65°   | 380.9  | 370.5  | 363.6  | 356.6  | 349.7  | 349.7  | 342.8  | 339.3  | 332.4  | 328.9  | 322.0  |
| 67.5° | 315.1  | 308.2  | 301.3  | 290.9  | 287.4  | 284.0  | 277.0  | 273.6  | 263.2  | 259.6  | 256.2  |
| 70°   | 256.2  | 245.8  | 238.9  | 231.9  | 228.5  | 221.6  | 214.6  | 207.7  | 200.8  | 193.9  | 187.0  |
| 72.5° | 200.8  | 190.4  | 183.5  | 176.6  | 169.7  | 169.7  | 159.3  | 152.4  | 142.0  | 135.1  | 124.7  |
| 75°   | 148.9  | 138.5  | 131.6  | 121.2  | 117.8  | 114.3  | 103.9  | 97.0   | 86.5   | 76.1   | 69.2   |
| 77.5° | 100.5  | 93.5   | 86.5   | 76.1   | 69.2   | 69.2   | 58.8   | 51.9   | 45.0   | 34.6   | 31.1   |
| 80°   | 62.3   | 55.4   | 48.4   | 41.5   | 41.5   | 34.6   | 31.1   | 24.2   | 17.3   | 13.8   | 10.4   |
| 82.5° | 34.6   | 31.1   | 27.7   | 20.8   | 20.8   | 17.3   | 13.8   | 10.4   | 6.9    | 3.5    | 3.5    |
| 85°   | 17.3   | 13.8   | 10.4   | 10.4   | 6.9    | 6.9    | 6.9    | 3.5    | 3.5    | 0.0    | 0.0    |
| 87.5° | 6.9    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 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    | 0.0    |

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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 |
| 2.5°  | 2586.5 | 2586.5 | 2583.0 | 2583.0 | 2583.0 | 2579.6 | 2583.0 | 2579.6 | 2579.6 | 2579.6 | 2583.0 |
| 5°    | 2572.7 | 2565.7 | 2565.7 | 2562.3 | 2562.3 | 2558.8 | 2562.3 | 2558.8 | 2555.4 | 2551.9 | 2555.4 |
| 7.5°  | 2545.0 | 2538.1 | 2534.6 | 2531.1 | 2531.1 | 2531.1 | 2527.7 | 2524.1 | 2527.7 | 2517.2 | 2524.1 |
| 10°   | 2506.8 | 2503.3 | 2496.4 | 2493.0 | 2489.5 | 2493.0 | 2489.5 | 2482.6 | 2482.6 | 2482.6 | 2479.1 |
| 12.5° | 2458.4 | 2451.4 | 2448.0 | 2444.5 | 2437.6 | 2437.6 | 2441.1 | 2434.1 | 2434.1 | 2427.2 | 2427.2 |
| 15°   | 2399.5 | 2392.6 | 2385.7 | 2385.7 | 2378.8 | 2378.8 | 2375.3 | 2375.3 | 2371.9 | 2368.4 | 2368.4 |
| 17.5° | 2326.8 | 2316.4 | 2309.5 | 2312.9 | 2309.5 | 2306.0 | 2306.0 | 2299.1 | 2295.6 | 2299.1 | 2299.1 |
| 20°   | 2240.2 | 2233.3 | 2226.4 | 2229.9 | 2222.9 | 2219.5 | 2222.9 | 2212.6 | 2216.0 | 2216.0 | 2216.0 |
| 22.5° | 2143.2 | 2139.8 | 2129.4 | 2129.4 | 2122.5 | 2119.0 | 2122.5 | 2122.5 | 2125.9 | 2122.5 | 2122.5 |
| 25°   | 2036.0 | 2029.1 | 2022.1 | 2022.1 | 2018.7 | 2015.2 | 2018.7 | 2022.1 | 2018.7 | 2022.1 | 2022.1 |
| 27.5° | 1921.7 | 1911.3 | 1911.3 | 1904.4 | 1904.4 | 1907.8 | 1904.4 | 1907.8 | 1911.3 | 1911.3 | 1918.2 |
| 30°   | 1797.0 | 1793.5 | 1790.1 | 1786.6 | 1786.6 | 1790.1 | 1790.1 | 1790.1 | 1793.5 | 1800.5 | 1800.5 |
| 32.5° | 1679.4 | 1672.4 | 1665.5 | 1665.5 | 1672.4 | 1669.0 | 1672.4 | 1672.4 | 1679.4 | 1679.4 | 1686.3 |
| 35°   | 1551.2 | 1551.2 | 1544.3 | 1547.7 | 1547.7 | 1547.7 | 1547.7 | 1554.7 | 1561.6 | 1565.0 | 1572.0 |
| 37.5° | 1433.4 | 1423.1 | 1426.5 | 1426.5 | 1430.0 | 1426.5 | 1436.9 | 1436.9 | 1443.8 | 1443.8 | 1450.7 |
| 40°   | 1305.3 | 1305.3 | 1308.9 | 1305.3 | 1308.9 | 1308.9 | 1315.8 | 1322.7 | 1326.2 | 1333.1 | 1336.6 |
| 42.5° | 1184.2 | 1191.1 | 1184.2 | 1187.7 | 1191.1 | 1194.6 | 1198.0 | 1201.5 | 1215.3 | 1222.3 | 1232.6 |
| 45°   | 1073.4 | 1076.8 | 1080.3 | 1083.7 | 1080.3 | 1087.2 | 1090.7 | 1097.6 | 1108.0 | 1111.4 | 1114.9 |
| 47.5° | 966.1  | 969.5  | 973.0  | 976.5  | 976.5  | 983.4  | 986.8  | 993.8  | 1000.7 | 1004.2 | 1007.6 |
| 50°   | 862.2  | 869.1  | 872.5  | 872.5  | 876.0  | 882.9  | 889.8  | 889.8  | 896.8  | 907.1  | 910.6  |
| 52.5° | 768.6  | 768.6  | 775.5  | 779.0  | 782.5  | 782.5  | 793.0  | 796.4  | 799.9  | 806.8  | 813.7  |
| 55°   | 664.8  | 675.2  | 678.7  | 678.7  | 685.6  | 692.5  | 696.0  | 699.4  | 699.4  | 713.3  | 713.3  |
| 57.5° | 574.7  | 578.2  | 585.1  | 585.1  | 585.1  | 595.5  | 595.5  | 602.4  | 605.9  | 609.3  | 616.4  |
| 60°   | 484.8  | 491.7  | 491.7  | 495.2  | 491.7  | 498.6  | 502.1  | 509.0  | 512.5  | 515.9  | 519.4  |
| 62.5° | 401.6  | 401.6  | 405.1  | 405.1  | 405.1  | 405.1  | 412.0  | 412.0  | 418.9  | 422.4  | 425.8  |
| 65°   | 322.0  | 322.0  | 322.0  | 322.0  | 322.0  | 322.0  | 322.0  | 322.0  | 325.5  | 325.5  | 332.4  |
| 67.5° | 249.2  | 245.8  | 238.9  | 242.3  | 238.9  | 238.9  | 235.4  | 235.4  | 238.9  | 238.9  | 245.8  |
| 70°   | 180.0  | 176.6  | 169.7  | 169.7  | 166.2  | 162.7  | 159.3  | 155.8  | 152.4  | 152.4  | 152.4  |
| 72.5° | 117.8  | 110.8  | 100.5  | 97.0   | 97.0   | 90.1   | 83.0   | 79.6   | 79.6   | 79.6   | 79.6   |
| 75°   | 58.8   | 51.9   | 45.0   | 41.5   | 41.5   | 34.6   | 38.1   | 34.6   | 34.6   | 34.6   | 34.6   |
| 77.5° | 24.2   | 17.3   | 13.8   | 13.8   | 13.8   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   |
| 80°   | 6.9    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 82.5° | 3.5    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 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    | 0.0    |





TEST NUMBER: P585075

CATALOG NUMBER: HCC8S60D010MW-HM86080830-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 | 2593.4 |
| 2.5°  | 2579.6 | 2579.6 | 2572.7 | 2576.1 | 2576.1 | 2576.1 | 2576.1 | 2576.1 |
| 5°    | 2548.4 | 2551.9 | 2548.4 | 2551.9 | 2551.9 | 2548.4 | 2548.4 | 2548.4 |
| 7.5°  | 2517.2 | 2520.6 | 2517.2 | 2520.6 | 2520.6 | 2520.6 | 2517.2 | 2517.2 |
| 10°   | 2479.1 | 2479.1 | 2479.1 | 2479.1 | 2479.1 | 2475.7 | 2479.1 | 2479.1 |
| 12.5° | 2427.2 | 2427.2 | 2427.2 | 2430.7 | 2430.7 | 2427.2 | 2427.2 | 2423.8 |
| 15°   | 2371.9 | 2364.9 | 2368.4 | 2371.9 | 2368.4 | 2368.4 | 2368.4 | 2368.4 |
| 17.5° | 2295.6 | 2299.1 | 2295.6 | 2295.6 | 2295.6 | 2295.6 | 2299.1 | 2295.6 |
| 20°   | 2216.0 | 2216.0 | 2219.5 | 2216.0 | 2216.0 | 2216.0 | 2216.0 | 2212.6 |
| 22.5° | 2125.9 | 2122.5 | 2122.5 | 2125.9 | 2125.9 | 2122.5 | 2125.9 | 2125.9 |
| 25°   | 2025.6 | 2029.1 | 2025.6 | 2025.6 | 2029.1 | 2029.1 | 2029.1 | 2025.6 |
| 27.5° | 1918.2 | 1921.7 | 1925.1 | 1921.7 | 1921.7 | 1921.7 | 1925.1 | 1928.6 |
| 30°   | 1807.4 | 1814.3 | 1807.4 | 1807.4 | 1814.3 | 1810.8 | 1814.3 | 1814.3 |
| 32.5° | 1689.7 | 1700.1 | 1693.2 | 1700.1 | 1700.1 | 1703.6 | 1700.1 | 1703.6 |
| 35°   | 1572.0 | 1582.3 | 1582.3 | 1582.3 | 1585.8 | 1589.3 | 1589.3 | 1585.8 |
| 37.5° | 1461.1 | 1464.6 | 1464.6 | 1471.5 | 1475.0 | 1478.4 | 1478.4 | 1475.0 |
| 40°   | 1346.9 | 1353.9 | 1357.3 | 1357.3 | 1357.3 | 1364.2 | 1371.2 | 1364.2 |
| 42.5° | 1236.1 | 1239.6 | 1243.0 | 1243.0 | 1249.9 | 1253.4 | 1256.9 | 1256.9 |
| 45°   | 1128.7 | 1135.8 | 1139.2 | 1142.7 | 1146.1 | 1153.1 | 1149.6 | 1156.5 |
| 47.5° | 1018.0 | 1028.4 | 1031.8 | 1035.3 | 1042.2 | 1045.7 | 1049.1 | 1052.6 |
| 50°   | 917.5  | 924.5  | 924.5  | 931.4  | 941.8  | 941.8  | 948.7  | 952.1  |
| 52.5° | 817.2  | 820.6  | 824.1  | 827.6  | 834.5  | 841.4  | 841.4  | 848.3  |
| 55°   | 720.2  | 723.6  | 723.6  | 727.1  | 730.6  | 744.4  | 747.9  | 747.9  |
| 57.5° | 619.8  | 619.8  | 626.8  | 630.2  | 633.7  | 640.6  | 640.6  | 640.6  |
| 60°   | 522.8  | 526.3  | 526.3  | 529.8  | 533.2  | 540.1  | 543.6  | 540.1  |
| 62.5° | 425.8  | 429.3  | 429.3  | 432.8  | 439.8  | 443.3  | 439.8  | 439.8  |
| 65°   | 335.9  | 339.3  | 339.3  | 342.8  | 349.7  | 349.7  | 346.3  | 349.7  |
| 67.5° | 245.8  | 245.8  | 245.8  | 245.8  | 245.8  | 245.8  | 245.8  | 245.8  |
| 70°   | 155.8  | 152.4  | 148.9  | 152.4  | 152.4  | 152.4  | 148.9  | 155.8  |
| 72.5° | 76.1   | 79.6   | 79.6   | 79.6   | 79.6   | 79.6   | 79.6   | 76.1   |
| 75°   | 34.6   | 34.6   | 31.1   | 31.1   | 31.1   | 34.6   | 34.6   | 31.1   |
| 77.5° | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   | 10.4   |
| 80°   | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    | 3.5    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 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    |

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1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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— 0°-180°    - - 45°-225°    - - - - 90°-270°

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