

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: P585178

Luminaire Tested: **HCC8W60D010BZ-HM86080940-81RWWH**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P585178  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/21/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: HALO COMMERCIAL  
Catalog Number: HCC8W60D010BZ-HM86080940-81RWWH  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

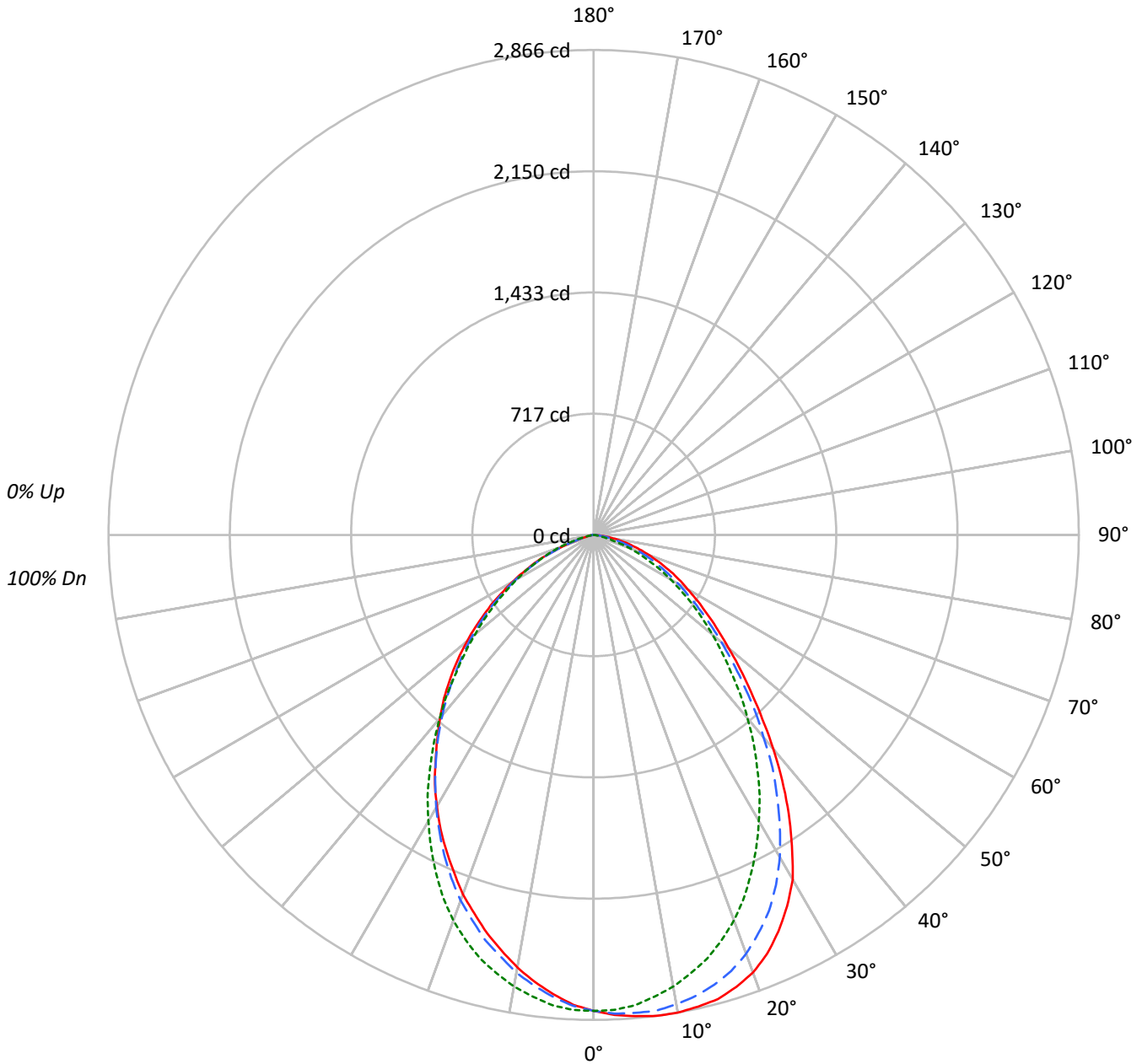
Lumens per Lamp: N/A  
Luminaire Lumens: 5273.3 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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: P585178  
CATALOG NUMBER: HCC8W60D010BZ-HM86080940-81RWWH

### 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 |    |    |    | 100 |  |  |  |   |
| 1   | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |    |    |    | 88  |  |  |  |   |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 80  | 84  | 81  | 79  | 77  |    |    |    | 77  |  |  |  |   |
| 3   | 95  | 86  | 79  | 73  | 92  | 84  | 78  | 73  | 81  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 69  | 67  |    |    |    | 67  |  |  |  |   |
| 4   | 88  | 77  | 70  | 64  | 86  | 76  | 69  | 63  | 74  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 61  | 59  |    |    |    | 59  |  |  |  |   |
| 5   | 81  | 70  | 62  | 56  | 79  | 69  | 62  | 56  | 67  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 54  | 52  |    |    |    | 52  |  |  |  |   |
| 6   | 76  | 64  | 56  | 50  | 74  | 63  | 55  | 50  | 61  | 54  | 49  | 60  | 54  | 49  | 58  | 53  | 49  | 47  |    |    |    | 47  |  |  |  |   |
| 7   | 71  | 58  | 51  | 45  | 69  | 58  | 50  | 45  | 56  | 49  | 45  | 55  | 49  | 44  | 54  | 48  | 44  | 42  |    |    |    | 42  |  |  |  |   |
| 8   | 66  | 54  | 46  | 41  | 65  | 53  | 46  | 41  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 38  |    |    |    | 38  |  |  |  |   |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 36  | 35  |    |    |    | 35  |  |  |  |   |
| 10  | 58  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 38  | 34  | 32  |    |    |    | 32  |  |  |  |   |

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

|     | 0°    | 90°   | 180°  |
|-----|-------|-------|-------|
| 0°  | 86739 | 86739 | 86739 |
| 5°  | 88371 | 86365 | 84359 |
| 10° | 89750 | 84856 | 81273 |
| 15° | 90652 | 82741 | 77751 |
| 20° | 90304 | 79548 | 74169 |
| 25° | 87925 | 74959 | 70028 |
| 30° | 83736 | 69490 | 65958 |
| 35° | 75612 | 63419 | 61270 |
| 40° | 66435 | 56923 | 56770 |
| 45° | 57346 | 50033 | 52191 |
| 50° | 49920 | 43886 | 46812 |
| 55° | 44262 | 38117 | 40778 |
| 60° | 39495 | 32199 | 33852 |
| 65° | 35600 | 26136 | 26698 |
| 70° | 31610 | 19592 | 15805 |
| 75° | 27248 | 11354 | 6815  |
| 80° | 20972 | 4049  | 2024  |
| 85° | 13480 | 1344  | 1344  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 264.1  | 5.0       |
| 10°-20°   | 735.1  | 13.9      |
| 20°-30°   | 1039.7 | 19.7      |
| 30°-40°   | 1095.6 | 20.8      |
| 40°-50°   | 931.1  | 17.7      |
| 50°-60°   | 670.5  | 12.7      |
| 60°-70°   | 386.8  | 7.3       |
| 70°-80°   | 132.3  | 2.5       |
| 80°-90°   | 18.2   | 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°    | 2038.9 | 38.7      |
| 0°-40°    | 3134.4 | 59.4      |
| 0°-60°    | 4736.0 | 89.8      |
| 0°-90°    | 5273.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5273.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2813 | 2813 | 2813 | 2813 | 2813 |      |
| 5°  | 2855 | 2836 | 2790 | 2740 | 2725 | 273  |
| 15° | 2840 | 2752 | 2592 | 2478 | 2436 | 800  |
| 25° | 2584 | 2451 | 2203 | 2089 | 2058 | 1185 |
| 35° | 2009 | 1890 | 1685 | 1624 | 1628 | 1251 |
| 45° | 1315 | 1254 | 1147 | 1155 | 1197 | 1022 |
| 55° | 823  | 758  | 709  | 736  | 758  | 741  |
| 65° | 488  | 419  | 358  | 351  | 366  | 485  |
| 75° | 229  | 172  | 95   | 61   | 57   | 241  |
| 85° | 38   | 23   | 4    | 4    | 4    | 51   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 |
| 2.5°  | 2839.6 | 2843.4 | 2839.6 | 2839.6 | 2835.7 | 2831.9 | 2828.1 | 2824.3 | 2816.7 | 2809.1 | 2809.1 |
| 5°    | 2854.9 | 2862.5 | 2854.9 | 2854.9 | 2843.4 | 2835.7 | 2828.1 | 2816.7 | 2801.5 | 2790.1 | 2790.1 |
| 7.5°  | 2866.3 | 2866.3 | 2866.3 | 2854.9 | 2847.2 | 2835.7 | 2816.7 | 2797.7 | 2778.7 | 2759.5 | 2751.9 |
| 10°   | 2866.3 | 2866.3 | 2862.5 | 2847.2 | 2839.6 | 2816.7 | 2797.7 | 2771.0 | 2744.3 | 2717.6 | 2710.0 |
| 12.5° | 2854.9 | 2858.7 | 2851.0 | 2835.7 | 2816.7 | 2790.1 | 2763.3 | 2729.1 | 2698.6 | 2668.0 | 2652.8 |
| 15°   | 2839.6 | 2835.7 | 2828.1 | 2809.1 | 2786.3 | 2751.9 | 2725.3 | 2687.1 | 2645.2 | 2607.1 | 2591.8 |
| 17.5° | 2801.5 | 2801.5 | 2790.1 | 2771.0 | 2740.5 | 2702.4 | 2660.4 | 2618.6 | 2572.8 | 2530.9 | 2511.8 |
| 20°   | 2751.9 | 2751.9 | 2736.7 | 2713.8 | 2683.3 | 2633.8 | 2588.0 | 2538.5 | 2485.1 | 2443.2 | 2424.1 |
| 22.5° | 2679.5 | 2683.3 | 2664.2 | 2637.6 | 2603.2 | 2546.1 | 2500.3 | 2439.4 | 2386.0 | 2336.4 | 2321.2 |
| 25°   | 2584.2 | 2591.8 | 2572.8 | 2546.1 | 2500.3 | 2450.9 | 2393.7 | 2336.4 | 2275.5 | 2225.9 | 2203.1 |
| 27.5° | 2473.7 | 2477.5 | 2458.5 | 2431.7 | 2386.0 | 2332.6 | 2275.5 | 2214.5 | 2157.3 | 2103.9 | 2081.1 |
| 30°   | 2351.7 | 2336.4 | 2328.8 | 2294.6 | 2245.0 | 2199.3 | 2134.5 | 2084.9 | 2023.9 | 1978.2 | 1951.6 |
| 32.5° | 2180.2 | 2187.8 | 2164.9 | 2138.3 | 2100.1 | 2046.8 | 1993.4 | 1936.2 | 1879.1 | 1844.7 | 1825.7 |
| 35°   | 2008.6 | 2016.3 | 2004.8 | 1978.2 | 1936.2 | 1890.5 | 1837.1 | 1795.3 | 1745.7 | 1703.8 | 1684.7 |
| 37.5° | 1829.5 | 1829.5 | 1821.9 | 1806.7 | 1776.1 | 1734.3 | 1680.8 | 1639.0 | 1597.0 | 1562.7 | 1551.3 |
| 40°   | 1650.4 | 1642.8 | 1639.0 | 1627.6 | 1600.8 | 1562.7 | 1528.4 | 1494.1 | 1452.2 | 1429.3 | 1414.1 |
| 42.5° | 1475.1 | 1475.1 | 1467.5 | 1456.1 | 1429.3 | 1410.3 | 1376.0 | 1337.8 | 1307.4 | 1284.5 | 1284.5 |
| 45°   | 1315.0 | 1318.8 | 1307.4 | 1299.8 | 1284.5 | 1254.0 | 1223.5 | 1196.8 | 1170.1 | 1154.9 | 1147.3 |
| 47.5° | 1173.9 | 1173.9 | 1162.5 | 1154.9 | 1139.7 | 1112.9 | 1086.3 | 1063.4 | 1044.4 | 1032.9 | 1029.1 |
| 50°   | 1040.6 | 1040.6 | 1040.6 | 1021.5 | 1002.4 | 983.4  | 964.4  | 937.6  | 926.2  | 918.6  | 914.8  |
| 52.5° | 926.2  | 922.4  | 922.4  | 907.1  | 888.1  | 865.2  | 846.1  | 823.3  | 811.9  | 804.3  | 808.1  |
| 55°   | 823.3  | 823.3  | 819.5  | 800.5  | 781.3  | 758.5  | 739.4  | 720.4  | 712.8  | 705.2  | 709.0  |
| 56°   | 781.3  | 781.3  | 777.5  | 762.3  | 739.4  | 720.4  | 697.5  | 678.4  | 667.0  | 670.8  | 670.8  |
| 57°   | 750.9  | 743.3  | 743.3  | 724.2  | 705.2  | 678.4  | 659.4  | 640.4  | 632.8  | 628.9  | 628.9  |
| 58°   | 712.8  | 709.0  | 705.2  | 686.0  | 667.0  | 644.2  | 625.1  | 606.0  | 594.6  | 594.6  | 590.8  |
| 59°   | 674.6  | 674.6  | 667.0  | 651.8  | 632.8  | 609.8  | 590.8  | 571.7  | 560.3  | 556.5  | 556.5  |
| 60°   | 640.4  | 644.2  | 632.8  | 617.4  | 602.2  | 575.5  | 552.7  | 537.4  | 526.0  | 522.1  | 522.1  |
| 61°   | 609.8  | 609.8  | 602.2  | 583.2  | 564.1  | 545.1  | 522.1  | 503.1  | 495.5  | 487.9  | 487.9  |
| 62°   | 583.2  | 575.5  | 571.7  | 552.7  | 533.6  | 510.7  | 491.7  | 472.7  | 461.2  | 453.5  | 457.4  |
| 63°   | 548.9  | 545.1  | 537.4  | 522.1  | 503.1  | 480.3  | 457.4  | 442.1  | 430.7  | 419.3  | 423.1  |
| 64°   | 522.1  | 518.3  | 506.9  | 491.7  | 472.7  | 449.7  | 426.9  | 411.6  | 404.0  | 392.6  | 388.8  |
| 65°   | 487.9  | 484.1  | 480.3  | 461.2  | 442.1  | 419.3  | 400.2  | 385.0  | 373.6  | 365.9  | 358.2  |
| 66°   | 457.4  | 461.2  | 453.5  | 438.3  | 415.5  | 396.4  | 369.7  | 354.4  | 346.8  | 335.4  | 327.8  |
| 67°   | 430.7  | 430.7  | 423.1  | 407.8  | 385.0  | 365.9  | 346.8  | 327.8  | 316.4  | 305.0  | 301.2  |
| 67.5° | 415.5  | 415.5  | 407.8  | 388.8  | 373.6  | 350.6  | 331.6  | 316.4  | 301.2  | 293.5  | 285.8  |
| 68°   | 400.2  | 400.2  | 396.4  | 381.2  | 362.1  | 339.2  | 320.2  | 301.2  | 285.8  | 274.4  | 270.6  |
| 69°   | 373.6  | 377.4  | 369.7  | 354.4  | 335.4  | 312.6  | 293.5  | 278.2  | 263.0  | 251.6  | 243.9  |
| 70°   | 350.6  | 346.8  | 339.2  | 324.0  | 305.0  | 289.7  | 270.6  | 251.6  | 236.3  | 221.1  | 217.3  |
| 71°   | 320.2  | 320.2  | 312.6  | 301.2  | 282.0  | 263.0  | 243.9  | 228.7  | 213.5  | 194.3  | 190.5  |
| 72°   | 297.3  | 297.3  | 289.7  | 274.4  | 259.2  | 240.1  | 221.1  | 202.0  | 190.5  | 171.5  | 163.9  |
| 72.5° | 282.0  | 285.8  | 278.2  | 263.0  | 247.8  | 224.9  | 209.7  | 194.3  | 175.3  | 160.1  | 152.5  |
| 73°   | 274.4  | 270.6  | 266.8  | 251.6  | 232.5  | 217.3  | 198.2  | 182.9  | 163.9  | 148.7  | 141.1  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°   | 55°   | 65°  | 75°  | 85°  | 90°  |
|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| 77.5° | 171.5 | 171.5 | 167.7 | 152.5 | 137.3 | 121.9 | 106.7 | 91.5 | 76.2 | 61.0 | 53.4 |
| 80°   | 118.1 | 121.9 | 114.3 | 106.7 | 95.3  | 80.0  | 64.8  | 53.4 | 38.1 | 30.4 | 22.8 |
| 82.5° | 76.2  | 76.2  | 72.4  | 64.8  | 57.2  | 45.8  | 38.1  | 26.6 | 19.0 | 15.2 | 11.4 |
| 85°   | 38.1  | 42.0  | 38.1  | 34.3  | 26.6  | 22.8  | 19.0  | 11.4 | 7.6  | 3.8  | 3.8  |
| 87.5° | 15.2  | 15.2  | 15.2  | 11.4  | 11.4  | 7.6   | 3.8   | 3.8  | 3.8  | 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):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 | 2812.9 |
| 2.5°  | 2801.5 | 2801.5 | 2793.9 | 2790.1 | 2786.3 | 2782.5 | 2778.7 | 2774.8 | 2774.8 | 2778.7 |
| 5°    | 2778.7 | 2771.0 | 2755.7 | 2751.9 | 2740.5 | 2736.7 | 2729.1 | 2725.3 | 2729.1 | 2725.3 |
| 7.5°  | 2744.3 | 2729.1 | 2710.0 | 2702.4 | 2687.1 | 2679.5 | 2668.0 | 2668.0 | 2660.4 | 2664.2 |
| 10°   | 2698.6 | 2675.7 | 2652.8 | 2637.6 | 2626.2 | 2614.8 | 2607.1 | 2599.4 | 2595.6 | 2595.6 |
| 12.5° | 2641.4 | 2614.8 | 2591.8 | 2569.0 | 2549.9 | 2542.3 | 2527.1 | 2527.1 | 2519.4 | 2515.6 |
| 15°   | 2576.6 | 2542.3 | 2515.6 | 2492.7 | 2477.5 | 2462.3 | 2450.9 | 2443.2 | 2435.5 | 2435.5 |
| 17.5° | 2492.7 | 2462.3 | 2435.5 | 2408.9 | 2386.0 | 2374.6 | 2363.2 | 2351.7 | 2351.7 | 2344.1 |
| 20°   | 2401.3 | 2367.0 | 2344.1 | 2317.4 | 2298.4 | 2279.3 | 2264.0 | 2264.0 | 2256.4 | 2260.2 |
| 22.5° | 2298.4 | 2256.4 | 2233.6 | 2214.5 | 2195.5 | 2180.2 | 2164.9 | 2164.9 | 2161.1 | 2157.3 |
| 25°   | 2184.0 | 2149.7 | 2123.1 | 2100.1 | 2088.7 | 2073.5 | 2069.7 | 2062.0 | 2058.2 | 2058.2 |
| 27.5° | 2062.0 | 2035.4 | 2001.0 | 1989.6 | 1974.4 | 1966.8 | 1966.8 | 1963.0 | 1955.4 | 1959.2 |
| 30°   | 1932.4 | 1902.0 | 1882.9 | 1875.3 | 1860.0 | 1860.0 | 1856.2 | 1848.6 | 1848.6 | 1852.4 |
| 32.5° | 1806.7 | 1776.1 | 1760.9 | 1757.1 | 1741.9 | 1741.9 | 1738.1 | 1741.9 | 1741.9 | 1745.7 |
| 35°   | 1669.4 | 1642.8 | 1639.0 | 1627.6 | 1623.8 | 1623.8 | 1623.8 | 1631.4 | 1639.0 | 1627.6 |
| 37.5° | 1539.9 | 1520.8 | 1509.3 | 1505.5 | 1509.3 | 1509.3 | 1513.1 | 1524.6 | 1520.8 | 1517.0 |
| 40°   | 1406.5 | 1391.2 | 1383.6 | 1383.6 | 1391.2 | 1398.8 | 1398.8 | 1410.3 | 1414.1 | 1410.3 |
| 42.5° | 1273.0 | 1261.6 | 1261.6 | 1265.4 | 1273.0 | 1276.8 | 1288.3 | 1299.8 | 1303.6 | 1307.4 |
| 45°   | 1147.3 | 1147.3 | 1147.3 | 1151.1 | 1154.9 | 1162.5 | 1177.7 | 1189.2 | 1193.0 | 1196.8 |
| 47.5° | 1025.3 | 1021.5 | 1032.9 | 1036.8 | 1048.2 | 1052.0 | 1063.4 | 1078.7 | 1082.5 | 1086.3 |
| 50°   | 911.0  | 918.6  | 922.4  | 933.8  | 941.4  | 941.4  | 956.7  | 964.4  | 975.8  | 975.8  |
| 52.5° | 804.3  | 815.7  | 819.5  | 830.9  | 834.7  | 838.5  | 846.1  | 857.6  | 865.2  | 865.2  |
| 55°   | 709.0  | 712.8  | 720.4  | 724.2  | 735.6  | 739.4  | 747.1  | 750.9  | 762.3  | 758.5  |
| 56°   | 667.0  | 674.6  | 678.4  | 686.0  | 693.7  | 697.5  | 705.2  | 709.0  | 716.6  | 720.4  |
| 57°   | 628.9  | 632.8  | 644.2  | 648.0  | 655.6  | 655.6  | 659.4  | 670.8  | 670.8  | 674.6  |
| 58°   | 590.8  | 598.4  | 602.2  | 606.0  | 613.6  | 617.4  | 625.1  | 628.9  | 632.8  | 628.9  |
| 59°   | 556.5  | 560.3  | 564.1  | 564.1  | 571.7  | 571.7  | 583.2  | 590.8  | 594.6  | 594.6  |
| 60°   | 522.1  | 522.1  | 526.0  | 529.8  | 537.4  | 541.3  | 541.3  | 548.9  | 548.9  | 548.9  |
| 61°   | 487.9  | 487.9  | 491.7  | 495.5  | 499.3  | 499.3  | 506.9  | 506.9  | 510.7  | 514.5  |
| 62°   | 457.4  | 453.5  | 453.5  | 457.4  | 457.4  | 465.1  | 468.9  | 472.7  | 476.5  | 472.7  |
| 63°   | 423.1  | 419.3  | 419.3  | 419.3  | 419.3  | 426.9  | 426.9  | 430.7  | 438.3  | 434.5  |
| 64°   | 385.0  | 385.0  | 385.0  | 385.0  | 388.8  | 388.8  | 396.4  | 400.2  | 404.0  | 407.8  |
| 65°   | 358.2  | 350.6  | 346.8  | 346.8  | 350.6  | 354.4  | 358.2  | 362.1  | 365.9  | 365.9  |
| 66°   | 327.8  | 320.2  | 316.4  | 316.4  | 316.4  | 316.4  | 324.0  | 324.0  | 331.6  | 331.6  |
| 67°   | 293.5  | 285.8  | 282.0  | 278.2  | 278.2  | 278.2  | 289.7  | 285.8  | 285.8  | 285.8  |
| 67.5° | 282.0  | 270.6  | 266.8  | 263.0  | 259.2  | 266.8  | 263.0  | 266.8  | 266.8  | 263.0  |
| 68°   | 266.8  | 259.2  | 251.6  | 243.9  | 243.9  | 243.9  | 247.8  | 251.6  | 247.8  | 243.9  |
| 69°   | 236.3  | 232.5  | 221.1  | 213.5  | 209.7  | 213.5  | 209.7  | 213.5  | 209.7  | 213.5  |
| 70°   | 209.7  | 198.2  | 186.7  | 182.9  | 179.1  | 179.1  | 179.1  | 175.3  | 179.1  | 175.3  |
| 71°   | 182.9  | 171.5  | 160.1  | 152.5  | 148.7  | 148.7  | 144.9  | 148.7  | 144.9  | 148.7  |
| 72°   | 156.3  | 144.9  | 129.6  | 121.9  | 121.9  | 121.9  | 121.9  | 118.1  | 121.9  | 118.1  |
| 72.5° | 144.9  | 129.6  | 118.1  | 110.5  | 106.7  | 106.7  | 106.7  | 106.7  | 102.9  | 106.7  |
| 73°   | 133.4  | 118.1  | 102.9  | 99.1   | 99.1   | 99.1   | 95.3   | 91.5   | 95.3   | 95.3   |





TEST NUMBER: P585178  
CATALOG NUMBER: HCC8W60D010BZ-HM86080940-81RWWH

**CANDELA DISTRIBUTION (continued):**

|       | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 45.8 | 34.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 26.6 | 26.6 |
| 80°   | 19.0 | 15.2 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 | 11.4 |
| 82.5° | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  | 7.6  |
| 85°   | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  |
| 87.5° | 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  |

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Peachtree City, GA 30269

Scaled Data Report



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

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|     |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 74° | 247.8 | 247.8 | 240.1 | 228.7 | 209.7 | 190.5 | 175.3 | 160.1 | 141.1 | 121.9 | 114.3 |
| 75° | 228.7 | 224.9 | 217.3 | 205.8 | 190.5 | 171.5 | 156.3 | 137.3 | 121.9 | 102.9 | 95.3  |

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|     |       |      |      |      |      |      |      |      |      |      |
|-----|-------|------|------|------|------|------|------|------|------|------|
| 74° | 110.5 | 91.5 | 83.9 | 76.2 | 76.2 | 76.2 | 72.4 | 72.4 | 72.4 | 76.2 |
| 75° | 87.7  | 72.4 | 64.8 | 57.2 | 61.0 | 57.2 | 61.0 | 57.2 | 57.2 | 57.2 |

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(END OF REPORT)