

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: P584481

Luminaire Tested: **HCC8W35D010MB-HM82555935-81RWWH**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P584481  
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: HCC8W35D010MB-HM82555935-81RWWH  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

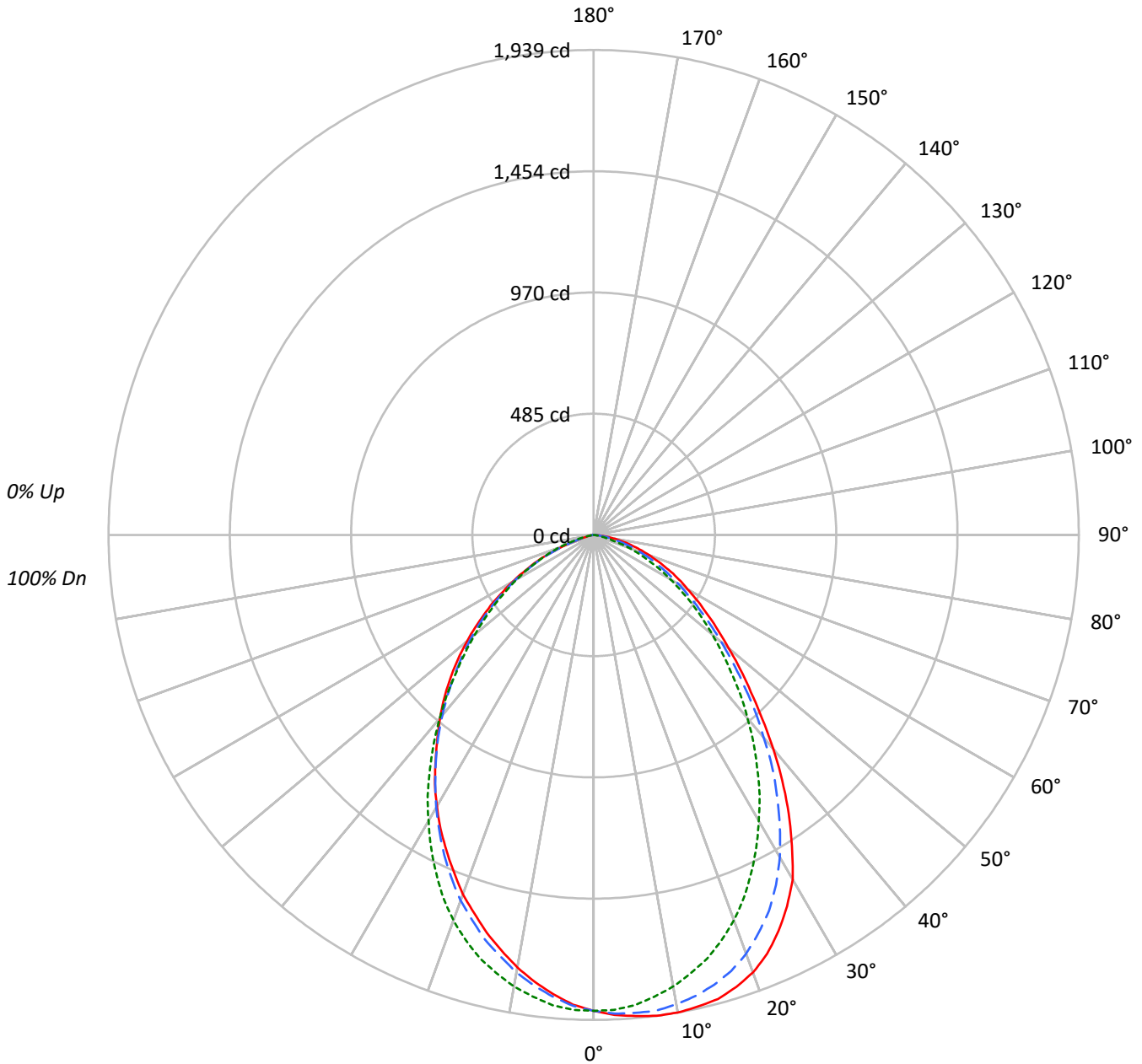
Lumens per Lamp: N/A  
Luminaire Lumens: 3567.3 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 33.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P584481  
CATALOG NUMBER: HCC8W35D010MB-HM82555935-81RWWH

### Luminous Intensity Polar Plot



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



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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 | 100 | 108 | 105 | 102 | 99  | 101 | 98  | 96  | 97  | 95  | 93  | 93  | 92  | 90  | 88  |    |    |    |  |  |  |  |   |
| 2   | 103 | 96  | 90  | 85  | 100 | 94  | 89  | 84  | 90  | 86  | 82  | 87  | 84  | 80  | 84  | 81  | 79  | 77  |    |    |    |  |  |  |  |   |
| 3   | 95  | 86  | 79  | 73  | 92  | 84  | 78  | 73  | 81  | 76  | 71  | 79  | 74  | 70  | 76  | 72  | 69  | 67  |    |    |    |  |  |  |  |   |
| 4   | 88  | 77  | 70  | 64  | 86  | 76  | 69  | 63  | 74  | 67  | 63  | 71  | 66  | 62  | 69  | 65  | 61  | 59  |    |    |    |  |  |  |  |   |
| 5   | 81  | 70  | 62  | 56  | 79  | 69  | 62  | 56  | 67  | 60  | 55  | 65  | 59  | 55  | 63  | 58  | 54  | 52  |    |    |    |  |  |  |  |   |
| 6   | 76  | 64  | 56  | 50  | 74  | 63  | 55  | 50  | 61  | 54  | 49  | 60  | 54  | 49  | 58  | 53  | 49  | 47  |    |    |    |  |  |  |  |   |
| 7   | 71  | 58  | 51  | 45  | 69  | 58  | 50  | 45  | 56  | 49  | 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  | 41  | 37  | 47  | 41  | 37  | 46  | 41  | 36  | 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°  | 58678 | 58678 | 58678 |
| 5°  | 59779 | 58420 | 57067 |
| 10° | 60714 | 57401 | 54981 |
| 15° | 61323 | 55973 | 52598 |
| 20° | 61089 | 53811 | 50175 |
| 25° | 59478 | 50706 | 47372 |
| 30° | 56643 | 47004 | 44619 |
| 35° | 51151 | 42903 | 41446 |
| 40° | 44940 | 38507 | 38402 |
| 45° | 38790 | 33845 | 35306 |
| 50° | 33768 | 29686 | 31667 |
| 55° | 29945 | 25784 | 27585 |
| 60° | 26717 | 21789 | 22899 |
| 65° | 24078 | 17687 | 18059 |
| 70° | 21386 | 13253 | 10693 |
| 75° | 18431 | 7685  | 4611  |
| 80° | 14189 | 2752  | 1385  |
| 85° | 9128  | 920   | 920   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 178.6  | 5.0       |
| 10°-20°   | 497.3  | 13.9      |
| 20°-30°   | 703.3  | 19.7      |
| 30°-40°   | 741.1  | 20.8      |
| 40°-50°   | 629.9  | 17.7      |
| 50°-60°   | 453.6  | 12.7      |
| 60°-70°   | 261.6  | 7.3       |
| 70°-80°   | 89.5   | 2.5       |
| 80°-90°   | 12.3   | 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°    | 1379.2 | 38.7      |
| 0°-40°    | 2120.4 | 59.4      |
| 0°-60°    | 3203.8 | 89.8      |
| 0°-90°    | 3567.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3567.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1903 | 1903 | 1903 | 1903 | 1903 |      |
| 5°  | 1931 | 1918 | 1887 | 1854 | 1844 | 185  |
| 15° | 1921 | 1862 | 1753 | 1676 | 1648 | 541  |
| 25° | 1748 | 1658 | 1490 | 1413 | 1392 | 802  |
| 35° | 1359 | 1279 | 1140 | 1098 | 1101 | 846  |
| 45° | 890  | 848  | 776  | 781  | 810  | 691  |
| 55° | 557  | 513  | 480  | 498  | 513  | 501  |
| 65° | 330  | 284  | 242  | 237  | 248  | 328  |
| 75° | 155  | 116  | 64   | 41   | 39   | 163  |
| 85° | 26   | 16   | 3    | 3    | 3    | 35   |
| 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°    | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 |
| 2.5°  | 1920.9 | 1923.5 | 1920.9 | 1920.9 | 1918.4 | 1915.7 | 1913.2 | 1910.6 | 1905.4 | 1900.3 | 1900.3 |
| 5°    | 1931.2 | 1936.3 | 1931.2 | 1931.2 | 1923.5 | 1918.4 | 1913.2 | 1905.4 | 1895.1 | 1887.3 | 1887.3 |
| 7.5°  | 1939.0 | 1939.0 | 1939.0 | 1931.2 | 1926.0 | 1918.4 | 1905.4 | 1892.5 | 1879.7 | 1866.7 | 1861.6 |
| 10°   | 1939.0 | 1939.0 | 1936.3 | 1926.0 | 1920.9 | 1905.4 | 1892.5 | 1874.5 | 1856.4 | 1838.3 | 1833.2 |
| 12.5° | 1931.2 | 1933.8 | 1928.7 | 1918.4 | 1905.4 | 1887.3 | 1869.4 | 1846.1 | 1825.5 | 1804.9 | 1794.6 |
| 15°   | 1920.9 | 1918.4 | 1913.2 | 1900.3 | 1884.8 | 1861.6 | 1843.6 | 1817.7 | 1789.5 | 1763.6 | 1753.3 |
| 17.5° | 1895.1 | 1895.1 | 1887.3 | 1874.5 | 1853.9 | 1828.0 | 1799.8 | 1771.4 | 1740.5 | 1712.1 | 1699.1 |
| 20°   | 1861.6 | 1861.6 | 1851.3 | 1835.8 | 1815.2 | 1781.7 | 1750.8 | 1717.2 | 1681.2 | 1652.8 | 1639.8 |
| 22.5° | 1812.6 | 1815.2 | 1802.3 | 1784.3 | 1761.1 | 1722.4 | 1691.5 | 1650.1 | 1614.1 | 1580.5 | 1570.2 |
| 25°   | 1748.1 | 1753.3 | 1740.5 | 1722.4 | 1691.5 | 1657.9 | 1619.2 | 1580.5 | 1539.3 | 1505.8 | 1490.3 |
| 27.5° | 1673.4 | 1676.0 | 1663.1 | 1645.0 | 1614.1 | 1578.0 | 1539.3 | 1498.1 | 1459.4 | 1423.2 | 1407.8 |
| 30°   | 1590.8 | 1580.5 | 1575.4 | 1552.1 | 1518.7 | 1487.7 | 1443.9 | 1410.4 | 1369.1 | 1338.2 | 1320.1 |
| 32.5° | 1474.9 | 1480.0 | 1464.6 | 1446.5 | 1420.7 | 1384.6 | 1348.5 | 1309.8 | 1271.2 | 1248.0 | 1235.0 |
| 35°   | 1358.8 | 1363.9 | 1356.3 | 1338.2 | 1309.8 | 1278.9 | 1242.8 | 1214.4 | 1180.9 | 1152.6 | 1139.7 |
| 37.5° | 1237.7 | 1237.7 | 1232.5 | 1222.2 | 1201.5 | 1173.2 | 1137.0 | 1108.7 | 1080.4 | 1057.1 | 1049.4 |
| 40°   | 1116.4 | 1111.3 | 1108.7 | 1101.0 | 1082.9 | 1057.1 | 1033.9 | 1010.8 | 982.4  | 966.9  | 956.6  |
| 42.5° | 997.8  | 997.8  | 992.7  | 985.0  | 966.9  | 954.0  | 930.8  | 905.0  | 884.4  | 868.9  | 868.9  |
| 45°   | 889.5  | 892.2  | 884.4  | 879.2  | 868.9  | 848.3  | 827.7  | 809.6  | 791.5  | 781.2  | 776.1  |
| 47.5° | 794.2  | 794.2  | 786.4  | 781.2  | 770.9  | 752.9  | 734.9  | 719.4  | 706.5  | 698.8  | 696.2  |
| 50°   | 703.9  | 703.9  | 703.9  | 691.0  | 678.1  | 665.2  | 652.3  | 634.3  | 626.6  | 621.4  | 618.8  |
| 52.5° | 626.6  | 623.9  | 623.9  | 613.6  | 600.8  | 585.3  | 572.4  | 557.0  | 549.2  | 544.0  | 546.6  |
| 55°   | 557.0  | 557.0  | 554.3  | 541.5  | 528.6  | 513.1  | 500.2  | 487.3  | 482.2  | 477.0  | 479.6  |
| 56°   | 528.6  | 528.6  | 526.0  | 515.6  | 500.2  | 487.3  | 471.9  | 459.0  | 451.2  | 453.8  | 453.8  |
| 57°   | 508.0  | 502.8  | 502.8  | 489.9  | 477.0  | 459.0  | 446.0  | 433.2  | 428.0  | 425.4  | 425.4  |
| 58°   | 482.2  | 479.6  | 477.0  | 464.1  | 451.2  | 435.7  | 422.9  | 410.0  | 402.2  | 402.2  | 399.7  |
| 59°   | 456.3  | 456.3  | 451.2  | 440.9  | 428.0  | 412.6  | 399.7  | 386.7  | 379.0  | 376.4  | 376.4  |
| 60°   | 433.2  | 435.7  | 428.0  | 417.7  | 407.4  | 389.3  | 373.9  | 363.6  | 355.8  | 353.3  | 353.3  |
| 61°   | 412.6  | 412.6  | 407.4  | 394.5  | 381.6  | 368.7  | 353.3  | 340.4  | 335.2  | 330.0  | 330.0  |
| 62°   | 394.5  | 389.3  | 386.7  | 373.9  | 361.0  | 345.5  | 332.6  | 319.7  | 312.0  | 306.8  | 309.4  |
| 63°   | 371.3  | 368.7  | 363.6  | 353.3  | 340.4  | 324.9  | 309.4  | 299.1  | 291.4  | 283.6  | 286.2  |
| 64°   | 353.3  | 350.7  | 342.9  | 332.6  | 319.7  | 304.3  | 288.8  | 278.4  | 273.3  | 265.6  | 263.0  |
| 65°   | 330.0  | 327.4  | 324.9  | 312.0  | 299.1  | 283.6  | 270.7  | 260.4  | 252.7  | 247.5  | 242.4  |
| 66°   | 309.4  | 312.0  | 306.8  | 296.5  | 281.1  | 268.1  | 250.1  | 239.8  | 234.7  | 226.9  | 221.7  |
| 67°   | 291.4  | 291.4  | 286.2  | 275.9  | 260.4  | 247.5  | 234.7  | 221.7  | 214.0  | 206.3  | 203.7  |
| 67.5° | 281.1  | 281.1  | 275.9  | 263.0  | 252.7  | 237.2  | 224.3  | 214.0  | 203.7  | 198.5  | 193.4  |
| 68°   | 270.7  | 270.7  | 268.1  | 257.8  | 245.0  | 229.4  | 216.6  | 203.7  | 193.4  | 185.7  | 183.1  |
| 69°   | 252.7  | 255.3  | 250.1  | 239.8  | 226.9  | 211.4  | 198.5  | 188.2  | 177.9  | 170.1  | 165.0  |
| 70°   | 237.2  | 234.7  | 229.4  | 219.1  | 206.3  | 196.0  | 183.1  | 170.1  | 159.8  | 149.5  | 147.0  |
| 71°   | 216.6  | 216.6  | 211.4  | 203.7  | 190.8  | 177.9  | 165.0  | 154.7  | 144.4  | 131.5  | 128.9  |
| 72°   | 201.1  | 201.1  | 196.0  | 185.7  | 175.4  | 162.4  | 149.5  | 136.7  | 128.9  | 116.1  | 110.8  |
| 72.5° | 190.8  | 193.4  | 188.2  | 177.9  | 167.6  | 152.1  | 141.8  | 131.5  | 118.6  | 108.3  | 103.1  |
| 73°   | 185.7  | 183.1  | 180.5  | 170.1  | 157.3  | 147.0  | 134.1  | 123.8  | 110.8  | 100.5  | 95.4   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°           | 5°    | 15°   | 25°   | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  | 90°  |
|-------|--------------|-------|-------|-------|------|------|------|------|------|------|------|
| 77.5° | <b>116.1</b> | 116.1 | 113.5 | 103.1 | 92.8 | 82.5 | 72.2 | 61.9 | 51.5 | 41.2 | 36.1 |
| 80°   | <b>79.9</b>  | 82.5  | 77.4  | 72.2  | 64.5 | 54.1 | 43.8 | 36.1 | 25.8 | 20.6 | 15.5 |
| 82.5° | <b>51.5</b>  | 51.5  | 49.0  | 43.8  | 38.7 | 30.9 | 25.8 | 18.1 | 12.9 | 10.3 | 7.8  |
| 85°   | <b>25.8</b>  | 28.4  | 25.8  | 23.2  | 18.1 | 15.5 | 12.9 | 7.8  | 5.2  | 2.6  | 2.6  |
| 87.5° | <b>10.3</b>  | 10.3  | 10.3  | 7.8   | 7.8  | 5.2  | 2.6  | 2.6  | 2.6  | 0.0  | 0.0  |
| 90°   | <b>0.0</b>   | 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°    | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 | 1902.9 |
| 2.5°  | 1895.1 | 1895.1 | 1890.0 | 1887.3 | 1884.8 | 1882.2 | 1879.7 | 1877.0 | 1877.0 | 1879.7 |
| 5°    | 1879.7 | 1874.5 | 1864.2 | 1861.6 | 1853.9 | 1851.3 | 1846.1 | 1843.6 | 1846.1 | 1843.6 |
| 7.5°  | 1856.4 | 1846.1 | 1833.2 | 1828.0 | 1817.7 | 1812.6 | 1804.9 | 1804.9 | 1799.8 | 1802.3 |
| 10°   | 1825.5 | 1810.1 | 1794.6 | 1784.3 | 1776.5 | 1768.7 | 1763.6 | 1758.4 | 1755.9 | 1755.9 |
| 12.5° | 1786.8 | 1768.7 | 1753.3 | 1737.8 | 1724.9 | 1719.7 | 1709.4 | 1709.4 | 1704.3 | 1701.8 |
| 15°   | 1743.0 | 1719.7 | 1701.8 | 1686.3 | 1676.0 | 1665.6 | 1657.9 | 1652.8 | 1647.6 | 1647.6 |
| 17.5° | 1686.3 | 1665.6 | 1647.6 | 1629.5 | 1614.1 | 1606.3 | 1598.6 | 1590.8 | 1590.8 | 1585.7 |
| 20°   | 1624.4 | 1601.1 | 1585.7 | 1567.7 | 1554.8 | 1541.8 | 1531.5 | 1531.5 | 1526.4 | 1529.0 |
| 22.5° | 1554.8 | 1526.4 | 1510.9 | 1498.1 | 1485.2 | 1474.9 | 1464.6 | 1464.6 | 1461.9 | 1459.4 |
| 25°   | 1477.4 | 1454.3 | 1436.2 | 1420.7 | 1412.9 | 1402.6 | 1400.1 | 1395.0 | 1392.3 | 1392.3 |
| 27.5° | 1395.0 | 1376.9 | 1353.6 | 1346.0 | 1335.7 | 1330.5 | 1330.5 | 1327.9 | 1322.7 | 1325.3 |
| 30°   | 1307.3 | 1286.7 | 1273.7 | 1268.6 | 1258.3 | 1258.3 | 1255.6 | 1250.5 | 1250.5 | 1253.1 |
| 32.5° | 1222.2 | 1201.5 | 1191.2 | 1188.7 | 1178.4 | 1178.4 | 1175.7 | 1178.4 | 1178.4 | 1180.9 |
| 35°   | 1129.4 | 1111.3 | 1108.7 | 1101.0 | 1098.4 | 1098.4 | 1098.4 | 1103.6 | 1108.7 | 1101.0 |
| 37.5° | 1041.7 | 1028.7 | 1021.1 | 1018.4 | 1021.1 | 1021.1 | 1023.6 | 1031.4 | 1028.7 | 1026.2 |
| 40°   | 951.5  | 941.1  | 936.0  | 936.0  | 941.1  | 946.3  | 946.3  | 954.0  | 956.6  | 954.0  |
| 42.5° | 861.1  | 853.5  | 853.5  | 856.0  | 861.1  | 863.8  | 871.5  | 879.2  | 881.8  | 884.4  |
| 45°   | 776.1  | 776.1  | 776.1  | 778.7  | 781.2  | 786.4  | 796.7  | 804.5  | 807.1  | 809.6  |
| 47.5° | 693.6  | 691.0  | 698.8  | 701.3  | 709.1  | 711.6  | 719.4  | 729.7  | 732.2  | 734.9  |
| 50°   | 616.3  | 621.4  | 623.9  | 631.7  | 636.9  | 636.9  | 647.2  | 652.3  | 660.1  | 660.1  |
| 52.5° | 544.0  | 551.8  | 554.3  | 562.1  | 564.6  | 567.3  | 572.4  | 580.2  | 585.3  | 585.3  |
| 55°   | 479.6  | 482.2  | 487.3  | 489.9  | 497.6  | 500.2  | 505.3  | 508.0  | 515.6  | 513.1  |
| 56°   | 451.2  | 456.3  | 459.0  | 464.1  | 469.3  | 471.9  | 477.0  | 479.6  | 484.7  | 487.3  |
| 57°   | 425.4  | 428.0  | 435.7  | 438.3  | 443.5  | 443.5  | 446.0  | 453.8  | 453.8  | 456.3  |
| 58°   | 399.7  | 404.8  | 407.4  | 410.0  | 415.1  | 417.7  | 422.9  | 425.4  | 428.0  | 425.4  |
| 59°   | 376.4  | 379.0  | 381.6  | 381.6  | 386.7  | 386.7  | 394.5  | 399.7  | 402.2  | 402.2  |
| 60°   | 353.3  | 353.3  | 355.8  | 358.4  | 363.6  | 366.1  | 366.1  | 371.3  | 371.3  | 371.3  |
| 61°   | 330.0  | 330.0  | 332.6  | 335.2  | 337.7  | 337.7  | 342.9  | 342.9  | 345.5  | 348.1  |
| 62°   | 309.4  | 306.8  | 306.8  | 309.4  | 309.4  | 314.6  | 317.1  | 319.7  | 322.3  | 319.7  |
| 63°   | 286.2  | 283.6  | 283.6  | 283.6  | 283.6  | 288.8  | 288.8  | 291.4  | 296.5  | 294.0  |
| 64°   | 260.4  | 260.4  | 260.4  | 260.4  | 263.0  | 263.0  | 268.1  | 270.7  | 273.3  | 275.9  |
| 65°   | 242.4  | 237.2  | 234.7  | 234.7  | 237.2  | 239.8  | 242.4  | 245.0  | 247.5  | 247.5  |
| 66°   | 221.7  | 216.6  | 214.0  | 214.0  | 214.0  | 214.0  | 219.1  | 219.1  | 224.3  | 224.3  |
| 67°   | 198.5  | 193.4  | 190.8  | 188.2  | 188.2  | 188.2  | 196.0  | 193.4  | 193.4  | 193.4  |
| 67.5° | 190.8  | 183.1  | 180.5  | 177.9  | 175.4  | 180.5  | 177.9  | 180.5  | 180.5  | 177.9  |
| 68°   | 180.5  | 175.4  | 170.1  | 165.0  | 165.0  | 165.0  | 167.6  | 170.1  | 167.6  | 165.0  |
| 69°   | 159.8  | 157.3  | 149.5  | 144.4  | 141.8  | 144.4  | 141.8  | 144.4  | 141.8  | 144.4  |
| 70°   | 141.8  | 134.1  | 126.4  | 123.8  | 121.2  | 121.2  | 121.2  | 118.6  | 121.2  | 118.6  |
| 71°   | 123.8  | 116.1  | 108.3  | 103.1  | 100.5  | 100.5  | 98.0   | 100.5  | 98.0   | 100.5  |
| 72°   | 105.7  | 98.0   | 87.7   | 82.5   | 82.5   | 82.5   | 82.5   | 79.9   | 82.5   | 79.9   |
| 72.5° | 98.0   | 87.7   | 79.9   | 74.8   | 72.2   | 72.2   | 72.2   | 72.2   | 69.6   | 72.2   |
| 73°   | 90.2   | 79.9   | 69.6   | 67.1   | 67.1   | 67.1   | 64.5   | 61.9   | 64.5   | 64.5   |





TEST NUMBER: P584481  
CATALOG NUMBER: HCC8W35D010MB-HM82555935-81RWWH

**CANDELA DISTRIBUTION (continued):**

|       | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 30.9 | 23.2 | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 | 20.6 | 18.1 | 18.1 |
| 80°   | 12.9 | 10.3 | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  |
| 82.5° | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  |
| 85°   | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  |
| 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

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

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Peachtree City, GA 30269



|     |       |       |       |       |       |       |       |       |      |      |      |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 74° | 167.6 | 167.6 | 162.4 | 154.7 | 141.8 | 128.9 | 118.6 | 108.3 | 95.4 | 82.5 | 77.4 |
| 75° | 154.7 | 152.1 | 147.0 | 139.2 | 128.9 | 116.1 | 105.7 | 92.8  | 82.5 | 69.6 | 64.5 |

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|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| 74° | 74.8 | 61.9 | 56.7 | 51.5 | 51.5 | 51.5 | 49.0 | 49.0 | 49.0 | 51.5 |
| 75° | 59.3 | 49.0 | 43.8 | 38.7 | 41.2 | 38.7 | 41.2 | 38.7 | 38.7 | 38.7 |

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(END OF REPORT)