

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: P593699

Luminaire Tested: **HCC8S35D010MW-HM82555850-81RWWH**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593699  
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: HCC8S35D010MW-HM82555850-81RWWH  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

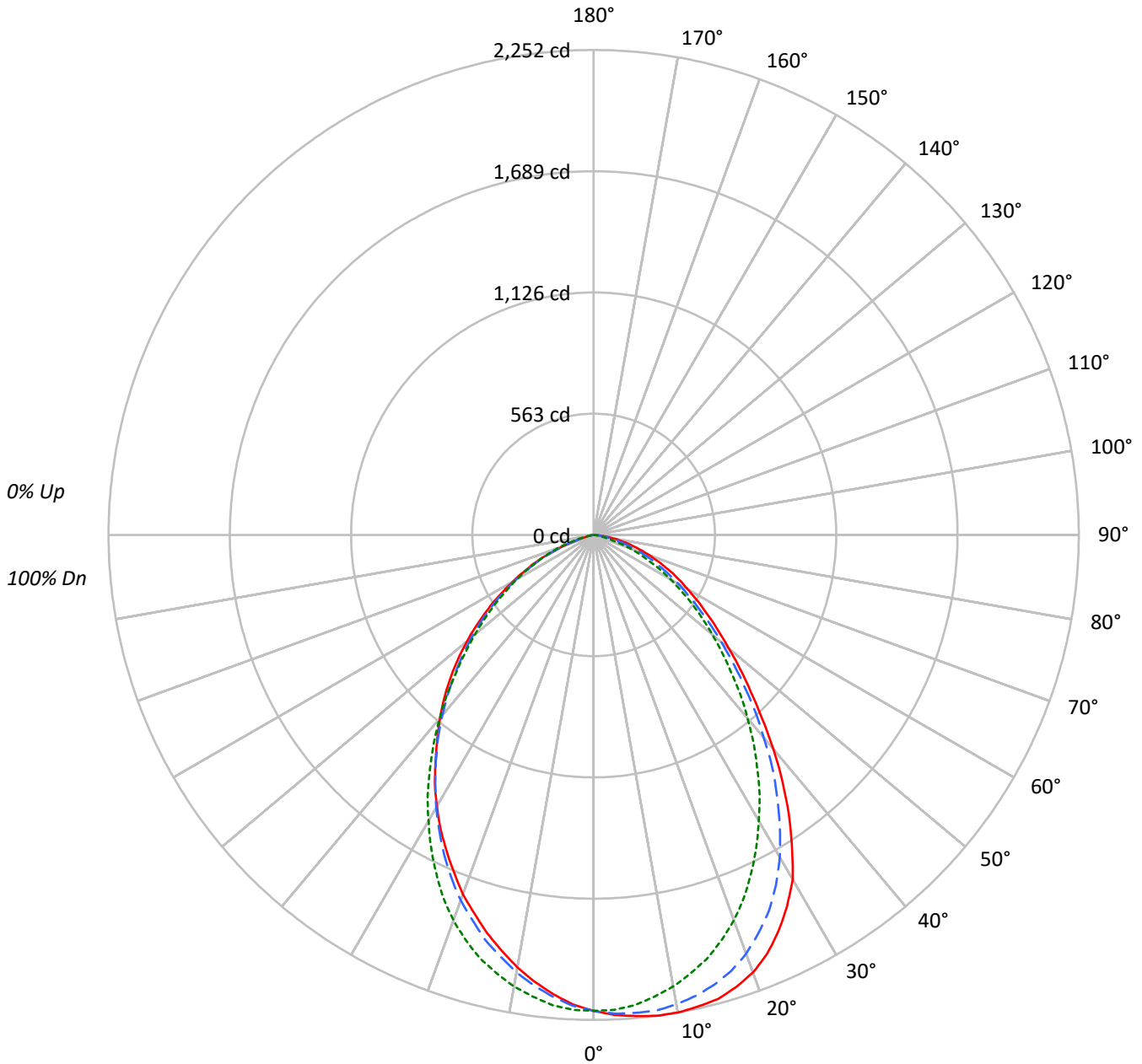
Lumens per Lamp: N/A  
Luminaire Lumens: 4143.0 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

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: P593699  
CATALOG NUMBER: HCC8S35D010MW-HM82555850-81RWWH

### 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 |    |    |    |  |  |  |  |   |
| 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°  | 68148 | 68148 | 68148 |
| 5°  | 69427 | 67851 | 66276 |
| 10° | 70512 | 66666 | 63851 |
| 15° | 71219 | 65004 | 61084 |
| 20° | 70947 | 62497 | 58273 |
| 25° | 69079 | 58892 | 55020 |
| 30° | 65787 | 54592 | 51818 |
| 35° | 59406 | 49826 | 48132 |
| 40° | 52193 | 44718 | 44597 |
| 45° | 45057 | 39309 | 41006 |
| 50° | 39218 | 34478 | 36776 |
| 55° | 34773 | 29945 | 32036 |
| 60° | 31021 | 25298 | 26593 |
| 65° | 27960 | 20540 | 20977 |
| 70° | 24839 | 15390 | 12424 |
| 75° | 21410 | 8924  | 5349  |
| 80° | 16479 | 3196  | 1598  |
| 85° | 10614 | 1061  | 1061  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 207.5  | 5.0       |
| 10°-20°   | 577.5  | 13.9      |
| 20°-30°   | 816.8  | 19.7      |
| 30°-40°   | 860.7  | 20.8      |
| 40°-50°   | 731.5  | 17.7      |
| 50°-60°   | 526.7  | 12.7      |
| 60°-70°   | 303.9  | 7.3       |
| 70°-80°   | 104.0  | 2.5       |
| 80°-90°   | 14.3   | 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°    | 1601.8 | 38.7      |
| 0°-40°    | 2462.5 | 59.4      |
| 0°-60°    | 3720.8 | 89.8      |
| 0°-90°    | 4143.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4143.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2210 | 2210 | 2210 | 2210 | 2210 |      |
| 5°  | 2243 | 2228 | 2192 | 2153 | 2141 | 214  |
| 15° | 2231 | 2162 | 2036 | 1946 | 1913 | 628  |
| 25° | 2030 | 1925 | 1731 | 1641 | 1617 | 931  |
| 35° | 1578 | 1485 | 1324 | 1276 | 1279 | 983  |
| 45° | 1033 | 985  | 901  | 907  | 940  | 803  |
| 55° | 647  | 596  | 557  | 578  | 596  | 582  |
| 65° | 383  | 329  | 282  | 276  | 288  | 381  |
| 75° | 180  | 135  | 75   | 48   | 45   | 190  |
| 85° | 30   | 18   | 3    | 3    | 3    | 40   |
| 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°    | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 |
| 2.5°  | 2230.9 | 2233.9 | 2230.9 | 2230.9 | 2227.9 | 2224.9 | 2221.9 | 2218.9 | 2212.9 | 2207.0 | 2207.0 |
| 5°    | 2242.9 | 2248.9 | 2242.9 | 2242.9 | 2233.9 | 2227.9 | 2221.9 | 2212.9 | 2201.0 | 2192.0 | 2192.0 |
| 7.5°  | 2251.9 | 2251.9 | 2251.9 | 2242.9 | 2236.9 | 2227.9 | 2212.9 | 2198.0 | 2183.0 | 2168.0 | 2162.0 |
| 10°   | 2251.9 | 2251.9 | 2248.9 | 2236.9 | 2230.9 | 2212.9 | 2198.0 | 2177.0 | 2156.0 | 2135.1 | 2129.1 |
| 12.5° | 2242.9 | 2245.9 | 2239.9 | 2227.9 | 2212.9 | 2192.0 | 2171.0 | 2144.1 | 2120.1 | 2096.1 | 2084.2 |
| 15°   | 2230.9 | 2227.9 | 2221.9 | 2207.0 | 2189.0 | 2162.0 | 2141.1 | 2111.1 | 2078.2 | 2048.2 | 2036.2 |
| 17.5° | 2201.0 | 2201.0 | 2192.0 | 2177.0 | 2153.0 | 2123.1 | 2090.2 | 2057.2 | 2021.3 | 1988.3 | 1973.3 |
| 20°   | 2162.0 | 2162.0 | 2150.1 | 2132.1 | 2108.1 | 2069.2 | 2033.2 | 1994.3 | 1952.4 | 1919.4 | 1904.5 |
| 22.5° | 2105.1 | 2108.1 | 2093.1 | 2072.2 | 2045.2 | 2000.3 | 1964.4 | 1916.4 | 1874.5 | 1835.6 | 1823.6 |
| 25°   | 2030.3 | 2036.2 | 2021.3 | 2000.3 | 1964.4 | 1925.4 | 1880.5 | 1835.6 | 1787.7 | 1748.8 | 1730.9 |
| 27.5° | 1943.4 | 1946.4 | 1931.4 | 1910.5 | 1874.5 | 1832.6 | 1787.7 | 1739.9 | 1694.9 | 1653.0 | 1635.0 |
| 30°   | 1847.6 | 1835.6 | 1829.6 | 1802.6 | 1763.8 | 1727.9 | 1677.0 | 1638.0 | 1590.1 | 1554.2 | 1533.2 |
| 32.5° | 1712.9 | 1718.9 | 1700.9 | 1680.0 | 1650.0 | 1608.1 | 1566.1 | 1521.2 | 1476.3 | 1449.3 | 1434.4 |
| 35°   | 1578.1 | 1584.1 | 1575.1 | 1554.2 | 1521.2 | 1485.3 | 1443.4 | 1410.4 | 1371.5 | 1338.5 | 1323.6 |
| 37.5° | 1437.4 | 1437.4 | 1431.4 | 1419.4 | 1395.4 | 1362.5 | 1320.6 | 1287.6 | 1254.7 | 1227.7 | 1218.7 |
| 40°   | 1296.6 | 1290.6 | 1287.6 | 1278.6 | 1257.7 | 1227.7 | 1200.8 | 1173.8 | 1140.9 | 1122.9 | 1110.9 |
| 42.5° | 1158.8 | 1158.8 | 1152.8 | 1143.9 | 1122.9 | 1107.9 | 1081.0 | 1051.1 | 1027.2 | 1009.2 | 1009.2 |
| 45°   | 1033.2 | 1036.2 | 1027.2 | 1021.2 | 1009.2 | 985.2  | 961.3  | 940.3  | 919.3  | 907.4  | 901.4  |
| 47.5° | 922.3  | 922.3  | 913.4  | 907.4  | 895.4  | 874.4  | 853.5  | 835.5  | 820.5  | 811.5  | 808.5  |
| 50°   | 817.5  | 817.5  | 817.5  | 802.5  | 787.6  | 772.6  | 757.6  | 736.7  | 727.7  | 721.7  | 718.7  |
| 52.5° | 727.7  | 724.7  | 724.7  | 712.7  | 697.7  | 679.7  | 664.8  | 646.8  | 637.8  | 631.8  | 634.8  |
| 55°   | 646.8  | 646.8  | 643.8  | 628.8  | 613.9  | 595.9  | 580.9  | 565.9  | 559.9  | 554.0  | 557.0  |
| 56°   | 613.9  | 613.9  | 610.9  | 598.9  | 580.9  | 565.9  | 548.0  | 533.0  | 524.0  | 527.0  | 527.0  |
| 57°   | 589.9  | 583.9  | 583.9  | 568.9  | 554.0  | 533.0  | 518.0  | 503.0  | 497.1  | 494.1  | 494.1  |
| 58°   | 559.9  | 557.0  | 554.0  | 539.0  | 524.0  | 506.0  | 491.1  | 476.1  | 467.1  | 467.1  | 464.1  |
| 59°   | 530.0  | 530.0  | 524.0  | 512.0  | 497.1  | 479.1  | 464.1  | 449.1  | 440.1  | 437.2  | 437.2  |
| 60°   | 503.0  | 506.0  | 497.1  | 485.1  | 473.1  | 452.1  | 434.2  | 422.2  | 413.2  | 410.2  | 410.2  |
| 61°   | 479.1  | 479.1  | 473.1  | 458.1  | 443.1  | 428.2  | 410.2  | 395.2  | 389.2  | 383.2  | 383.2  |
| 62°   | 458.1  | 452.1  | 449.1  | 434.2  | 419.2  | 401.2  | 386.2  | 371.3  | 362.3  | 356.3  | 359.3  |
| 63°   | 431.2  | 428.2  | 422.2  | 410.2  | 395.2  | 377.3  | 359.3  | 347.4  | 338.4  | 329.4  | 332.4  |
| 64°   | 410.2  | 407.2  | 398.2  | 386.2  | 371.3  | 353.4  | 335.4  | 323.5  | 317.5  | 308.5  | 305.5  |
| 65°   | 383.2  | 380.2  | 377.3  | 362.3  | 347.4  | 329.4  | 314.5  | 302.5  | 293.5  | 287.5  | 281.5  |
| 66°   | 359.3  | 362.3  | 356.3  | 344.4  | 326.5  | 311.5  | 290.5  | 278.5  | 272.5  | 263.6  | 257.6  |
| 67°   | 338.4  | 338.4  | 332.4  | 320.5  | 302.5  | 287.5  | 272.5  | 257.6  | 248.6  | 239.6  | 236.6  |
| 67.5° | 326.5  | 326.5  | 320.5  | 305.5  | 293.5  | 275.5  | 260.6  | 248.6  | 236.6  | 230.6  | 224.6  |
| 68°   | 314.5  | 314.5  | 311.5  | 299.5  | 284.5  | 266.6  | 251.6  | 236.6  | 224.6  | 215.6  | 212.6  |
| 69°   | 293.5  | 296.5  | 290.5  | 278.5  | 263.6  | 245.6  | 230.6  | 218.6  | 206.7  | 197.7  | 191.7  |
| 70°   | 275.5  | 272.5  | 266.6  | 254.6  | 239.6  | 227.6  | 212.6  | 197.7  | 185.7  | 173.7  | 170.7  |
| 71°   | 251.6  | 251.6  | 245.6  | 236.6  | 221.6  | 206.7  | 191.7  | 179.7  | 167.7  | 152.7  | 149.8  |
| 72°   | 233.6  | 233.6  | 227.6  | 215.6  | 203.7  | 188.7  | 173.7  | 158.7  | 149.8  | 134.8  | 128.8  |
| 72.5° | 221.6  | 224.6  | 218.6  | 206.7  | 194.7  | 176.7  | 164.7  | 152.7  | 137.8  | 125.8  | 119.8  |
| 73°   | 215.6  | 212.6  | 209.6  | 197.7  | 182.7  | 170.7  | 155.7  | 143.8  | 128.8  | 116.8  | 110.8  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°    | 5°    | 15°   | 25°   | 35°   | 45°  | 55°  | 65°  | 75°  | 85°  | 90°  |
|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 77.5° | 134.8 | 134.8 | 131.8 | 119.8 | 107.8 | 95.8 | 83.9 | 71.9 | 59.9 | 47.9 | 41.9 |
| 80°   | 92.8  | 95.8  | 89.8  | 83.9  | 74.9  | 62.9 | 50.9 | 41.9 | 30.0 | 24.0 | 18.0 |
| 82.5° | 59.9  | 59.9  | 56.9  | 50.9  | 44.9  | 35.9 | 30.0 | 21.0 | 15.0 | 12.0 | 9.0  |
| 85°   | 30.0  | 32.9  | 30.0  | 27.0  | 21.0  | 18.0 | 15.0 | 9.0  | 6.0  | 3.0  | 3.0  |
| 87.5° | 12.0  | 12.0  | 12.0  | 9.0   | 9.0   | 6.0  | 3.0  | 3.0  | 3.0  | 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):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 | 2210.0 |
| 2.5°  | 2201.0 | 2201.0 | 2195.0 | 2192.0 | 2189.0 | 2186.0 | 2183.0 | 2180.0 | 2180.0 | 2183.0 |
| 5°    | 2183.0 | 2177.0 | 2165.0 | 2162.0 | 2153.0 | 2150.1 | 2144.1 | 2141.1 | 2144.1 | 2141.1 |
| 7.5°  | 2156.0 | 2144.1 | 2129.1 | 2123.1 | 2111.1 | 2105.1 | 2096.1 | 2096.1 | 2090.2 | 2093.1 |
| 10°   | 2120.1 | 2102.1 | 2084.2 | 2072.2 | 2063.2 | 2054.2 | 2048.2 | 2042.2 | 2039.2 | 2039.2 |
| 12.5° | 2075.2 | 2054.2 | 2036.2 | 2018.3 | 2003.3 | 1997.3 | 1985.3 | 1985.3 | 1979.3 | 1976.3 |
| 15°   | 2024.3 | 1997.3 | 1976.3 | 1958.4 | 1946.4 | 1934.4 | 1925.4 | 1919.4 | 1913.4 | 1913.4 |
| 17.5° | 1958.4 | 1934.4 | 1913.4 | 1892.5 | 1874.5 | 1865.5 | 1856.5 | 1847.6 | 1847.6 | 1841.6 |
| 20°   | 1886.5 | 1859.5 | 1841.6 | 1820.6 | 1805.6 | 1790.7 | 1778.7 | 1778.7 | 1772.8 | 1775.8 |
| 22.5° | 1805.6 | 1772.8 | 1754.8 | 1739.9 | 1724.9 | 1712.9 | 1700.9 | 1700.9 | 1697.9 | 1694.9 |
| 25°   | 1715.9 | 1688.9 | 1668.0 | 1650.0 | 1641.0 | 1629.0 | 1626.0 | 1620.1 | 1617.1 | 1617.1 |
| 27.5° | 1620.1 | 1599.1 | 1572.1 | 1563.2 | 1551.2 | 1545.2 | 1545.2 | 1542.2 | 1536.2 | 1539.2 |
| 30°   | 1518.2 | 1494.3 | 1479.3 | 1473.3 | 1461.3 | 1461.3 | 1458.3 | 1452.3 | 1452.3 | 1455.3 |
| 32.5° | 1419.4 | 1395.4 | 1383.5 | 1380.5 | 1368.5 | 1368.5 | 1365.5 | 1368.5 | 1368.5 | 1371.5 |
| 35°   | 1311.6 | 1290.6 | 1287.6 | 1278.6 | 1275.6 | 1275.6 | 1275.6 | 1281.6 | 1287.6 | 1278.6 |
| 37.5° | 1209.7 | 1194.8 | 1185.8 | 1182.8 | 1185.8 | 1185.8 | 1188.8 | 1197.8 | 1194.8 | 1191.8 |
| 40°   | 1104.9 | 1092.9 | 1086.9 | 1086.9 | 1092.9 | 1098.9 | 1098.9 | 1107.9 | 1110.9 | 1107.9 |
| 42.5° | 1000.2 | 991.2  | 991.2  | 994.2  | 1000.2 | 1003.2 | 1012.2 | 1021.2 | 1024.2 | 1027.2 |
| 45°   | 901.4  | 901.4  | 901.4  | 904.4  | 907.4  | 913.4  | 925.3  | 934.3  | 937.3  | 940.3  |
| 47.5° | 805.5  | 802.5  | 811.5  | 814.5  | 823.5  | 826.5  | 835.5  | 847.5  | 850.5  | 853.5  |
| 50°   | 715.7  | 721.7  | 724.7  | 733.7  | 739.6  | 739.6  | 751.6  | 757.6  | 766.6  | 766.6  |
| 52.5° | 631.8  | 640.8  | 643.8  | 652.8  | 655.8  | 658.8  | 664.8  | 673.8  | 679.7  | 679.7  |
| 55°   | 557.0  | 559.9  | 565.9  | 568.9  | 577.9  | 580.9  | 586.9  | 589.9  | 598.9  | 595.9  |
| 56°   | 524.0  | 530.0  | 533.0  | 539.0  | 545.0  | 548.0  | 554.0  | 557.0  | 562.9  | 565.9  |
| 57°   | 494.1  | 497.1  | 506.0  | 509.0  | 515.0  | 515.0  | 518.0  | 527.0  | 527.0  | 530.0  |
| 58°   | 464.1  | 470.1  | 473.1  | 476.1  | 482.1  | 485.1  | 491.1  | 494.1  | 497.1  | 494.1  |
| 59°   | 437.2  | 440.1  | 443.1  | 443.1  | 449.1  | 449.1  | 458.1  | 464.1  | 467.1  | 467.1  |
| 60°   | 410.2  | 410.2  | 413.2  | 416.2  | 422.2  | 425.2  | 425.2  | 431.2  | 431.2  | 431.2  |
| 61°   | 383.2  | 383.2  | 386.2  | 389.2  | 392.2  | 392.2  | 398.2  | 398.2  | 401.2  | 404.2  |
| 62°   | 359.3  | 356.3  | 356.3  | 359.3  | 359.3  | 365.3  | 368.3  | 371.3  | 374.3  | 371.3  |
| 63°   | 332.4  | 329.4  | 329.4  | 329.4  | 329.4  | 335.4  | 335.4  | 338.4  | 344.4  | 341.4  |
| 64°   | 302.5  | 302.5  | 302.5  | 302.5  | 305.5  | 305.5  | 311.5  | 314.5  | 317.5  | 320.5  |
| 65°   | 281.5  | 275.5  | 272.5  | 272.5  | 275.5  | 278.5  | 281.5  | 284.5  | 287.5  | 287.5  |
| 66°   | 257.6  | 251.6  | 248.6  | 248.6  | 248.6  | 248.6  | 254.6  | 254.6  | 260.6  | 260.6  |
| 67°   | 230.6  | 224.6  | 221.6  | 218.6  | 218.6  | 218.6  | 227.6  | 224.6  | 224.6  | 224.6  |
| 67.5° | 221.6  | 212.6  | 209.6  | 206.7  | 203.7  | 209.6  | 206.7  | 209.6  | 209.6  | 206.7  |
| 68°   | 209.6  | 203.7  | 197.7  | 191.7  | 191.7  | 191.7  | 194.7  | 197.7  | 194.7  | 191.7  |
| 69°   | 185.7  | 182.7  | 173.7  | 167.7  | 164.7  | 167.7  | 164.7  | 167.7  | 164.7  | 167.7  |
| 70°   | 164.7  | 155.7  | 146.8  | 143.8  | 140.8  | 140.8  | 140.8  | 137.8  | 140.8  | 137.8  |
| 71°   | 143.8  | 134.8  | 125.8  | 119.8  | 116.8  | 116.8  | 113.8  | 116.8  | 113.8  | 116.8  |
| 72°   | 122.8  | 113.8  | 101.8  | 95.8   | 95.8   | 95.8   | 95.8   | 92.8   | 95.8   | 92.8   |
| 72.5° | 113.8  | 101.8  | 92.8   | 86.9   | 83.9   | 83.9   | 83.9   | 83.9   | 80.9   | 83.9   |
| 73°   | 104.8  | 92.8   | 80.9   | 77.9   | 77.9   | 77.9   | 74.9   | 71.9   | 74.9   | 74.9   |





TEST NUMBER: P593699  
 CATALOG NUMBER: HCC8S35D010MW-HM82555850-81RWWH

**CANDELA DISTRIBUTION (continued):**

|       | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 35.9 | 27.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 24.0 | 21.0 | 21.0 |
| 80°   | 15.0 | 12.0 | 9.0  | 9.0  | 9.0  | 9.0  | 9.0  | 9.0  | 9.0  | 9.0  |
| 82.5° | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  | 6.0  |
| 85°   | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  | 3.0  |
| 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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— 0°-180°    - - 45°-225°    - - - - 90°-270°

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|     |       |       |       |       |       |       |       |       |       |      |      |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 74° | 194.7 | 194.7 | 188.7 | 179.7 | 164.7 | 149.8 | 137.8 | 125.8 | 110.8 | 95.8 | 89.8 |
| 75° | 179.7 | 176.7 | 170.7 | 161.7 | 149.8 | 134.8 | 122.8 | 107.8 | 95.8  | 80.9 | 74.9 |

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|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| 74° | 86.9 | 71.9 | 65.9 | 59.9 | 59.9 | 59.9 | 56.9 | 56.9 | 56.9 | 59.9 |
| 75° | 68.9 | 56.9 | 50.9 | 44.9 | 47.9 | 44.9 | 47.9 | 44.9 | 44.9 | 44.9 |

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(END OF REPORT)