

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: P593834

Luminaire Tested: **HCC8S55D010MW-HM82555850-81RWWC**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P593834  
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: HCC8S55D010MW-HM82555850-81RWWC  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

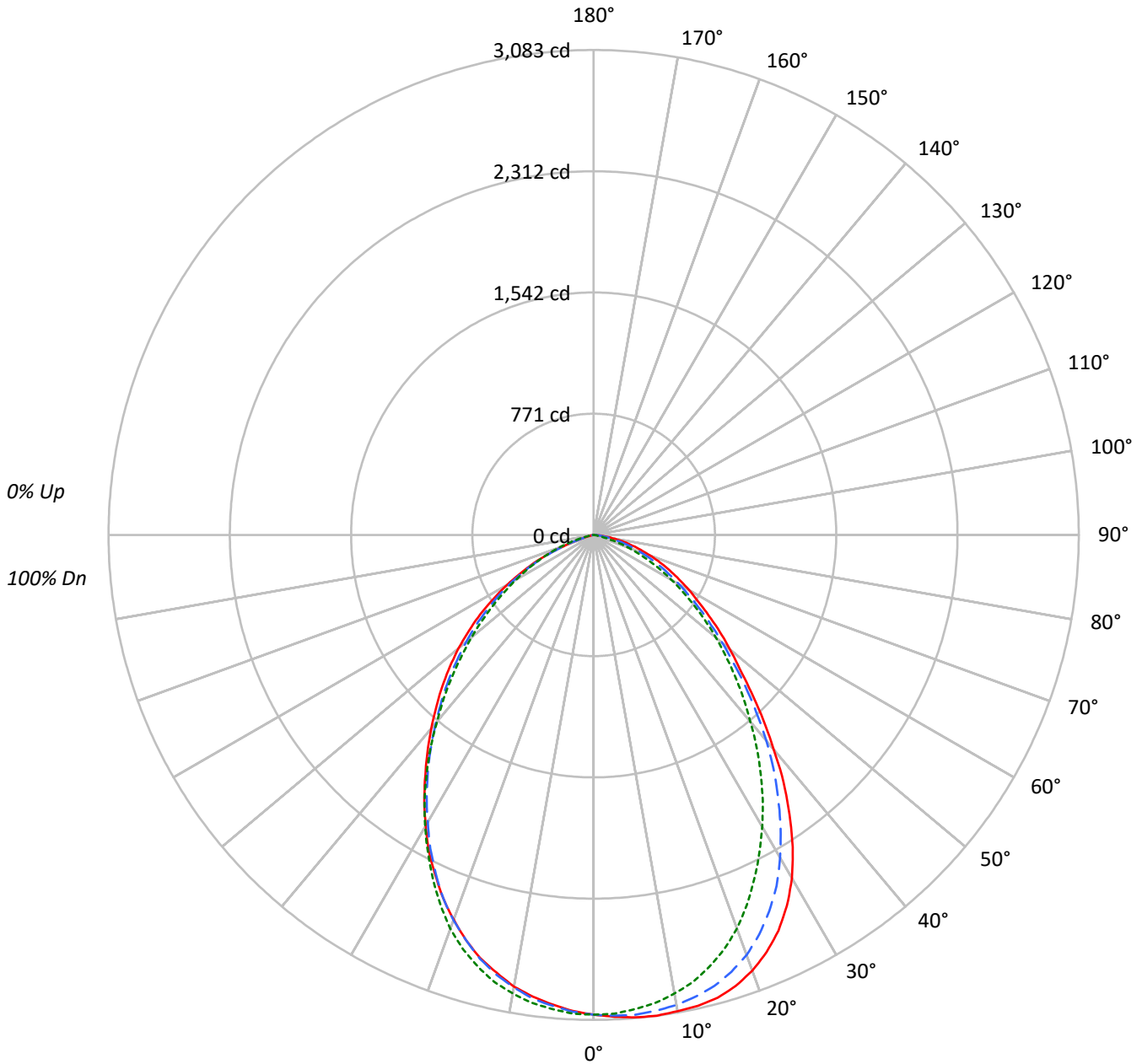
Lumens per Lamp: N/A  
Luminaire Lumens: 5796.7 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 52  
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



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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  | 84  | 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°  | 94051 | 94051 | 94051 |
| 5°  | 95292 | 93652 | 92769 |
| 10° | 96266 | 92696 | 91293 |
| 15° | 97238 | 90738 | 88918 |
| 20° | 96746 | 87390 | 85389 |
| 25° | 94492 | 82161 | 81052 |
| 30° | 89750 | 76266 | 75974 |
| 35° | 81703 | 69593 | 70206 |
| 40° | 71628 | 62289 | 64583 |
| 45° | 61799 | 55401 | 59313 |
| 50° | 54109 | 48640 | 53720 |
| 55° | 47944 | 41810 | 47289 |
| 60° | 43196 | 35160 | 39174 |
| 65° | 38927 | 28230 | 30010 |
| 70° | 34143 | 20565 | 16526 |
| 75° | 29118 | 10663 | 4373  |
| 80° | 22411 | 2895  | 728   |
| 85° | 14400 | 0     | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 287.8  | 5.0       |
| 10°-20°   | 809.0  | 14.0      |
| 20°-30°   | 1148.2 | 19.8      |
| 30°-40°   | 1208.6 | 20.9      |
| 40°-50°   | 1028.2 | 17.7      |
| 50°-60°   | 743.0  | 12.8      |
| 60°-70°   | 422.6  | 7.3       |
| 70°-80°   | 133.2  | 2.3       |
| 80°-90°   | 16.2   | 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°    | 2244.9 | 38.7      |
| 0°-40°    | 3453.6 | 59.6      |
| 0°-60°    | 5224.7 | 90.1      |
| 0°-90°    | 5796.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5796.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 3050 | 3050 | 3050 | 3050 | 3050 |      |
| 5°  | 3078 | 3062 | 3026 | 3005 | 2997 | 294  |
| 15° | 3046 | 2969 | 2842 | 2789 | 2785 | 858  |
| 25° | 2777 | 2639 | 2415 | 2374 | 2382 | 1272 |
| 35° | 2170 | 2044 | 1849 | 1836 | 1865 | 1351 |
| 45° | 1417 | 1364 | 1270 | 1303 | 1360 | 1101 |
| 55° | 892  | 827  | 778  | 822  | 880  | 804  |
| 65° | 534  | 460  | 387  | 383  | 411  | 529  |
| 75° | 244  | 187  | 90   | 41   | 37   | 263  |
| 85° | 41   | 24   | 0    | 0    | 0    | 53   |
| 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°    | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 |
| 2.5°  | 3066.3 | 3070.3 | 3062.2 | 3062.2 | 3070.3 | 3062.2 | 3066.3 | 3066.3 | 3062.2 | 3062.2 | 3058.1 |
| 5°    | 3078.5 | 3074.4 | 3074.4 | 3074.4 | 3078.5 | 3070.3 | 3066.3 | 3070.3 | 3062.2 | 3062.2 | 3062.2 |
| 7.5°  | 3082.6 | 3082.6 | 3078.5 | 3074.4 | 3074.4 | 3074.4 | 3070.3 | 3066.3 | 3062.2 | 3054.0 | 3050.0 |
| 10°   | 3074.4 | 3074.4 | 3078.5 | 3070.3 | 3070.3 | 3062.2 | 3062.2 | 3054.0 | 3054.0 | 3045.9 | 3033.7 |
| 12.5° | 3066.3 | 3062.2 | 3062.2 | 3054.0 | 3054.0 | 3045.9 | 3045.9 | 3033.7 | 3029.6 | 3017.4 | 3005.2 |
| 15°   | 3045.9 | 3041.8 | 3033.7 | 3029.6 | 3025.5 | 3021.5 | 3013.3 | 3009.2 | 2997.0 | 2980.7 | 2968.6 |
| 17.5° | 3005.2 | 3001.1 | 2997.0 | 2989.0 | 2980.7 | 2976.6 | 2972.7 | 2960.4 | 2944.1 | 2931.9 | 2911.5 |
| 20°   | 2948.2 | 2944.1 | 2944.1 | 2931.9 | 2927.8 | 2915.6 | 2911.5 | 2895.2 | 2883.0 | 2858.6 | 2842.3 |
| 22.5° | 2870.8 | 2874.9 | 2866.7 | 2858.6 | 2850.4 | 2838.2 | 2830.1 | 2813.9 | 2793.5 | 2769.0 | 2748.7 |
| 25°   | 2777.2 | 2781.3 | 2773.1 | 2765.0 | 2752.7 | 2744.6 | 2736.4 | 2712.0 | 2691.6 | 2663.1 | 2638.8 |
| 27.5° | 2659.0 | 2659.0 | 2659.0 | 2650.9 | 2630.6 | 2626.5 | 2618.4 | 2593.9 | 2565.4 | 2541.0 | 2516.5 |
| 30°   | 2520.6 | 2516.5 | 2516.5 | 2504.3 | 2496.1 | 2479.8 | 2467.6 | 2447.4 | 2427.0 | 2398.5 | 2369.9 |
| 32.5° | 2353.6 | 2357.7 | 2345.5 | 2337.3 | 2325.1 | 2325.1 | 2308.8 | 2292.5 | 2268.2 | 2239.7 | 2211.1 |
| 35°   | 2170.4 | 2174.5 | 2166.3 | 2162.2 | 2141.9 | 2137.8 | 2133.7 | 2113.4 | 2097.1 | 2076.8 | 2044.2 |
| 37.5° | 1983.1 | 1979.0 | 1974.9 | 1974.9 | 1962.7 | 1954.5 | 1946.5 | 1934.3 | 1909.8 | 1893.5 | 1877.2 |
| 40°   | 1779.4 | 1779.4 | 1779.4 | 1775.5 | 1771.4 | 1763.2 | 1759.2 | 1751.0 | 1734.7 | 1718.4 | 1706.2 |
| 42.5° | 1596.3 | 1596.3 | 1592.2 | 1588.1 | 1580.0 | 1584.1 | 1575.9 | 1567.8 | 1551.5 | 1539.2 | 1531.1 |
| 45°   | 1417.1 | 1417.1 | 1417.1 | 1421.2 | 1413.0 | 1400.8 | 1400.8 | 1392.7 | 1384.5 | 1376.4 | 1364.1 |
| 47.5° | 1258.3 | 1270.4 | 1262.4 | 1258.3 | 1262.4 | 1246.1 | 1246.1 | 1237.9 | 1229.8 | 1221.6 | 1205.3 |
| 50°   | 1127.9 | 1127.9 | 1127.9 | 1119.8 | 1115.7 | 1115.7 | 1103.6 | 1095.4 | 1091.4 | 1083.2 | 1066.9 |
| 52.5° | 1009.9 | 1001.7 | 1001.7 | 997.6  | 993.6  | 985.4  | 985.4  | 977.3  | 961.0  | 952.8  | 940.6  |
| 55°   | 891.8  | 891.8  | 887.7  | 883.7  | 879.6  | 875.5  | 871.4  | 859.2  | 851.1  | 838.8  | 826.6  |
| 57.5° | 785.9  | 794.0  | 789.9  | 781.8  | 773.6  | 773.6  | 765.6  | 757.5  | 745.2  | 733.0  | 720.8  |
| 60°   | 700.4  | 696.3  | 696.3  | 692.3  | 684.1  | 680.0  | 676.0  | 663.7  | 651.5  | 639.3  | 627.1  |
| 62.5° | 610.8  | 610.8  | 610.8  | 602.6  | 594.6  | 590.5  | 586.4  | 578.3  | 562.0  | 549.8  | 541.6  |
| 65°   | 533.5  | 529.4  | 525.3  | 521.2  | 517.2  | 509.0  | 504.9  | 496.8  | 484.6  | 472.3  | 460.1  |
| 67.5° | 456.0  | 452.0  | 452.0  | 447.9  | 435.7  | 431.6  | 431.6  | 419.5  | 407.2  | 395.0  | 382.8  |
| 70°   | 378.7  | 378.7  | 378.7  | 370.6  | 366.5  | 362.4  | 358.4  | 350.2  | 338.0  | 325.8  | 313.5  |
| 72.5° | 313.5  | 309.5  | 309.5  | 305.4  | 293.2  | 289.1  | 285.0  | 276.9  | 264.6  | 256.6  | 248.3  |
| 75°   | 244.4  | 244.4  | 240.3  | 236.2  | 232.1  | 228.1  | 224.0  | 215.8  | 203.6  | 191.4  | 187.3  |
| 77.5° | 187.3  | 183.3  | 183.3  | 179.2  | 171.0  | 167.0  | 167.0  | 158.8  | 146.6  | 138.4  | 130.3  |
| 80°   | 126.2  | 130.3  | 126.2  | 122.1  | 118.1  | 114.0  | 109.9  | 105.8  | 97.7   | 89.5   | 81.5   |
| 82.5° | 77.4   | 81.5   | 77.4   | 77.4   | 73.2   | 69.3   | 69.3   | 61.1   | 57.0   | 53.0   | 48.9   |
| 85°   | 40.7   | 40.7   | 40.7   | 40.7   | 36.7   | 36.7   | 36.7   | 32.6   | 28.5   | 24.4   | 24.4   |
| 87.5° | 12.2   | 16.3   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 8.1    | 8.1    | 8.1    |
| 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°    | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 |
| 2.5°  | 3062.2 | 3058.1 | 3054.0 | 3054.0 | 3054.0 | 3054.0 | 3054.0 | 3050.0 | 3045.9 | 3045.9 | 3045.9 |
| 5°    | 3054.0 | 3054.0 | 3054.0 | 3050.0 | 3045.9 | 3045.9 | 3037.7 | 3033.7 | 3029.6 | 3025.5 | 3021.5 |
| 7.5°  | 3045.9 | 3037.7 | 3033.7 | 3029.6 | 3025.5 | 3025.5 | 3017.4 | 3009.2 | 3009.2 | 3001.1 | 2992.9 |
| 10°   | 3021.5 | 3017.4 | 3009.2 | 3001.1 | 2997.0 | 2992.9 | 2984.8 | 2972.7 | 2968.6 | 2960.4 | 2952.3 |
| 12.5° | 2992.9 | 2984.8 | 2976.6 | 2960.4 | 2956.4 | 2952.3 | 2936.0 | 2923.8 | 2915.6 | 2911.5 | 2891.2 |
| 15°   | 2956.4 | 2940.1 | 2927.8 | 2907.5 | 2903.4 | 2895.2 | 2883.0 | 2870.8 | 2854.5 | 2842.3 | 2834.1 |
| 17.5° | 2891.2 | 2874.9 | 2854.5 | 2834.1 | 2826.0 | 2826.0 | 2805.7 | 2789.4 | 2769.0 | 2760.9 | 2744.6 |
| 20°   | 2813.9 | 2793.5 | 2777.2 | 2752.7 | 2740.5 | 2728.3 | 2716.1 | 2691.6 | 2675.3 | 2663.1 | 2642.7 |
| 22.5° | 2724.2 | 2695.7 | 2675.3 | 2650.9 | 2630.6 | 2618.4 | 2598.0 | 2577.6 | 2557.3 | 2545.0 | 2528.7 |
| 25°   | 2610.2 | 2585.8 | 2553.2 | 2528.7 | 2516.5 | 2500.2 | 2475.8 | 2455.5 | 2435.1 | 2414.8 | 2406.6 |
| 27.5° | 2483.9 | 2451.4 | 2422.9 | 2394.4 | 2382.2 | 2369.9 | 2341.4 | 2317.0 | 2300.8 | 2280.4 | 2272.3 |
| 30°   | 2345.5 | 2312.9 | 2280.4 | 2256.0 | 2243.7 | 2223.4 | 2207.1 | 2178.5 | 2158.2 | 2141.9 | 2121.6 |
| 32.5° | 2186.7 | 2162.2 | 2133.7 | 2097.1 | 2089.0 | 2072.7 | 2048.3 | 2036.0 | 2011.6 | 1999.4 | 1983.1 |
| 35°   | 2015.7 | 1999.4 | 1970.8 | 1942.4 | 1930.2 | 1922.0 | 1901.7 | 1877.2 | 1860.9 | 1848.7 | 1840.6 |
| 37.5° | 1852.8 | 1832.4 | 1803.9 | 1783.5 | 1775.5 | 1763.2 | 1738.8 | 1726.6 | 1710.3 | 1702.1 | 1685.8 |
| 40°   | 1677.7 | 1657.3 | 1636.9 | 1624.7 | 1612.6 | 1604.4 | 1588.1 | 1575.9 | 1559.6 | 1547.4 | 1543.3 |
| 42.5° | 1506.7 | 1494.4 | 1478.1 | 1461.8 | 1457.9 | 1445.5 | 1437.5 | 1425.3 | 1413.0 | 1409.0 | 1396.7 |
| 45°   | 1351.9 | 1339.7 | 1323.4 | 1307.1 | 1303.0 | 1294.9 | 1290.8 | 1278.7 | 1270.4 | 1270.4 | 1270.4 |
| 47.5° | 1197.2 | 1185.0 | 1168.7 | 1160.5 | 1164.6 | 1148.3 | 1148.3 | 1144.2 | 1136.1 | 1136.1 | 1140.1 |
| 50°   | 1058.8 | 1042.5 | 1038.4 | 1030.2 | 1022.1 | 1013.9 | 1018.0 | 1005.8 | 1005.8 | 1013.9 | 1009.9 |
| 52.5° | 928.5  | 912.2  | 908.1  | 900.0  | 895.9  | 895.9  | 891.8  | 891.8  | 887.7  | 891.8  | 891.8  |
| 55°   | 810.3  | 798.1  | 789.9  | 781.8  | 777.7  | 777.7  | 777.7  | 773.6  | 769.7  | 777.7  | 781.8  |
| 57.5° | 704.5  | 700.4  | 692.3  | 680.0  | 676.0  | 671.9  | 667.8  | 667.8  | 667.8  | 667.8  | 671.9  |
| 60°   | 610.8  | 602.6  | 594.6  | 582.2  | 582.2  | 578.3  | 574.2  | 570.1  | 570.1  | 570.1  | 570.1  |
| 62.5° | 529.4  | 517.2  | 504.9  | 496.8  | 492.7  | 488.6  | 484.6  | 476.4  | 476.4  | 476.4  | 476.4  |
| 65°   | 447.9  | 435.7  | 427.5  | 419.5  | 411.3  | 411.3  | 403.2  | 399.1  | 390.9  | 386.9  | 378.7  |
| 67.5° | 370.6  | 362.4  | 354.3  | 342.1  | 338.0  | 333.9  | 325.8  | 321.7  | 309.5  | 305.4  | 301.3  |
| 70°   | 301.3  | 289.1  | 280.9  | 272.8  | 268.7  | 260.7  | 252.4  | 244.4  | 236.2  | 228.1  | 219.9  |
| 72.5° | 236.2  | 224.0  | 215.8  | 207.7  | 199.5  | 199.5  | 187.3  | 179.2  | 167.0  | 158.8  | 146.6  |
| 75°   | 175.1  | 162.9  | 154.7  | 142.5  | 138.4  | 134.4  | 122.1  | 114.0  | 101.8  | 89.5   | 81.5   |
| 77.5° | 118.1  | 109.9  | 101.8  | 89.5   | 81.5   | 81.5   | 69.3   | 61.1   | 53.0   | 40.7   | 36.7   |
| 80°   | 73.2   | 65.2   | 57.0   | 48.9   | 48.9   | 40.7   | 36.7   | 28.5   | 20.4   | 16.3   | 12.2   |
| 82.5° | 40.7   | 36.7   | 32.6   | 24.4   | 24.4   | 20.4   | 16.3   | 12.2   | 8.1    | 4.1    | 4.1    |
| 85°   | 20.4   | 16.3   | 12.2   | 12.2   | 8.1    | 8.1    | 8.1    | 4.1    | 4.1    | 0.0    | 0.0    |
| 87.5° | 8.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 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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CATALOG NUMBER: HCC8S55D010MW-HM82555850-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 |
| 2.5°  | 3041.8 | 3041.8 | 3037.7 | 3037.7 | 3037.7 | 3033.7 | 3037.7 | 3033.7 | 3033.7 | 3033.7 | 3037.7 |
| 5°    | 3025.5 | 3017.4 | 3017.4 | 3013.3 | 3013.3 | 3009.2 | 3013.3 | 3009.2 | 3005.2 | 3001.1 | 3005.2 |
| 7.5°  | 2992.9 | 2984.8 | 2980.7 | 2976.6 | 2976.6 | 2976.6 | 2972.7 | 2968.6 | 2972.7 | 2960.4 | 2968.6 |
| 10°   | 2948.2 | 2944.1 | 2936.0 | 2931.9 | 2927.8 | 2931.9 | 2927.8 | 2919.7 | 2919.7 | 2919.7 | 2915.6 |
| 12.5° | 2891.2 | 2883.0 | 2878.9 | 2874.9 | 2866.7 | 2866.7 | 2870.8 | 2862.6 | 2862.6 | 2854.5 | 2854.5 |
| 15°   | 2821.9 | 2813.9 | 2805.7 | 2805.7 | 2797.6 | 2797.6 | 2793.5 | 2793.5 | 2789.4 | 2785.3 | 2785.3 |
| 17.5° | 2736.4 | 2724.2 | 2716.1 | 2720.1 | 2716.1 | 2712.0 | 2712.0 | 2703.8 | 2699.8 | 2703.8 | 2703.8 |
| 20°   | 2634.7 | 2626.5 | 2618.4 | 2622.5 | 2614.3 | 2610.2 | 2614.3 | 2602.1 | 2606.2 | 2606.2 | 2606.2 |
| 22.5° | 2520.6 | 2516.5 | 2504.3 | 2504.3 | 2496.1 | 2492.1 | 2496.1 | 2496.1 | 2500.2 | 2496.1 | 2496.1 |
| 25°   | 2394.4 | 2386.2 | 2378.1 | 2378.1 | 2374.0 | 2369.9 | 2374.0 | 2378.1 | 2374.0 | 2378.1 | 2378.1 |
| 27.5° | 2260.0 | 2247.8 | 2247.8 | 2239.7 | 2239.7 | 2243.7 | 2239.7 | 2243.7 | 2247.8 | 2247.8 | 2256.0 |
| 30°   | 2113.4 | 2109.4 | 2105.3 | 2101.2 | 2101.2 | 2105.3 | 2105.3 | 2105.3 | 2109.4 | 2117.5 | 2117.5 |
| 32.5° | 1974.9 | 1966.9 | 1958.6 | 1958.6 | 1966.9 | 1962.7 | 1966.9 | 1966.9 | 1974.9 | 1974.9 | 1983.1 |
| 35°   | 1824.3 | 1824.3 | 1816.1 | 1820.2 | 1820.2 | 1820.2 | 1820.2 | 1828.3 | 1836.5 | 1840.6 | 1848.7 |
| 37.5° | 1685.8 | 1673.6 | 1677.7 | 1677.7 | 1681.8 | 1677.7 | 1689.9 | 1689.9 | 1698.1 | 1698.1 | 1706.2 |
| 40°   | 1535.2 | 1535.2 | 1539.2 | 1535.2 | 1539.2 | 1539.2 | 1547.4 | 1555.5 | 1559.6 | 1567.8 | 1571.8 |
| 42.5° | 1392.7 | 1400.8 | 1392.7 | 1396.7 | 1400.8 | 1404.9 | 1409.0 | 1413.0 | 1429.3 | 1437.5 | 1449.6 |
| 45°   | 1262.4 | 1266.5 | 1270.4 | 1274.6 | 1270.4 | 1278.7 | 1282.8 | 1290.8 | 1303.0 | 1307.1 | 1311.2 |
| 47.5° | 1136.1 | 1140.1 | 1144.2 | 1148.3 | 1148.3 | 1156.4 | 1160.5 | 1168.7 | 1176.8 | 1180.9 | 1185.0 |
| 50°   | 1013.9 | 1022.1 | 1026.2 | 1026.2 | 1030.2 | 1038.4 | 1046.5 | 1046.5 | 1054.7 | 1066.9 | 1071.0 |
| 52.5° | 904.0  | 904.0  | 912.2  | 916.3  | 920.3  | 920.3  | 932.6  | 936.5  | 940.6  | 948.7  | 956.9  |
| 55°   | 781.8  | 794.0  | 798.1  | 798.1  | 806.2  | 814.4  | 818.5  | 822.5  | 822.5  | 838.8  | 838.8  |
| 57.5° | 676.0  | 680.0  | 688.2  | 688.2  | 688.2  | 700.4  | 700.4  | 708.6  | 712.6  | 716.7  | 724.9  |
| 60°   | 570.1  | 578.3  | 578.3  | 582.2  | 578.3  | 586.4  | 590.5  | 598.5  | 602.6  | 606.7  | 610.8  |
| 62.5° | 472.3  | 472.3  | 476.4  | 476.4  | 476.4  | 476.4  | 484.6  | 484.6  | 492.7  | 496.8  | 500.9  |
| 65°   | 378.7  | 378.7  | 378.7  | 378.7  | 378.7  | 378.7  | 378.7  | 378.7  | 382.8  | 382.8  | 390.9  |
| 67.5° | 293.2  | 289.1  | 280.9  | 285.0  | 280.9  | 280.9  | 276.9  | 276.9  | 280.9  | 280.9  | 289.1  |
| 70°   | 211.8  | 207.7  | 199.5  | 199.5  | 195.5  | 191.4  | 187.3  | 183.3  | 179.2  | 179.2  | 179.2  |
| 72.5° | 138.4  | 130.3  | 118.1  | 114.0  | 114.0  | 105.8  | 97.7   | 93.6   | 93.6   | 93.6   | 93.6   |
| 75°   | 69.3   | 61.1   | 53.0   | 48.9   | 48.9   | 40.7   | 44.8   | 40.7   | 40.7   | 40.7   | 40.7   |
| 77.5° | 28.5   | 20.4   | 16.3   | 16.3   | 16.3   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   |
| 80°   | 8.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    |
| 82.5° | 4.1    | 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    |



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TEST NUMBER: P593834

CATALOG NUMBER: HCC8S55D010MW-HM82555850-81RWWC

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 | 3050.0 |
| 2.5°  | 3033.7 | 3033.7 | 3025.5 | 3029.6 | 3029.6 | 3029.6 | 3029.6 | 3029.6 |
| 5°    | 2997.0 | 3001.1 | 2997.0 | 3001.1 | 3001.1 | 2997.0 | 2997.0 | 2997.0 |
| 7.5°  | 2960.4 | 2964.5 | 2960.4 | 2964.5 | 2964.5 | 2964.5 | 2960.4 | 2960.4 |
| 10°   | 2915.6 | 2915.6 | 2915.6 | 2915.6 | 2915.6 | 2911.5 | 2915.6 | 2915.6 |
| 12.5° | 2854.5 | 2854.5 | 2854.5 | 2858.6 | 2858.6 | 2854.5 | 2854.5 | 2850.4 |
| 15°   | 2789.4 | 2781.3 | 2785.3 | 2789.4 | 2785.3 | 2785.3 | 2785.3 | 2785.3 |
| 17.5° | 2699.8 | 2703.8 | 2699.8 | 2699.8 | 2699.8 | 2699.8 | 2703.8 | 2699.8 |
| 20°   | 2606.2 | 2606.2 | 2610.2 | 2606.2 | 2606.2 | 2606.2 | 2606.2 | 2602.1 |
| 22.5° | 2500.2 | 2496.1 | 2496.1 | 2500.2 | 2500.2 | 2496.1 | 2500.2 | 2500.2 |
| 25°   | 2382.2 | 2386.2 | 2382.2 | 2382.2 | 2386.2 | 2386.2 | 2386.2 | 2382.2 |
| 27.5° | 2256.0 | 2260.0 | 2264.1 | 2260.0 | 2260.0 | 2260.0 | 2264.1 | 2268.2 |
| 30°   | 2125.7 | 2133.7 | 2125.7 | 2125.7 | 2133.7 | 2129.6 | 2133.7 | 2133.7 |
| 32.5° | 1987.1 | 1999.4 | 1991.2 | 1999.4 | 1999.4 | 2003.4 | 1999.4 | 2003.4 |
| 35°   | 1848.7 | 1860.9 | 1860.9 | 1860.9 | 1865.0 | 1869.1 | 1869.1 | 1865.0 |
| 37.5° | 1718.4 | 1722.5 | 1722.5 | 1730.6 | 1734.7 | 1738.8 | 1738.8 | 1734.7 |
| 40°   | 1584.1 | 1592.2 | 1596.3 | 1596.3 | 1596.3 | 1604.4 | 1612.6 | 1604.4 |
| 42.5° | 1453.7 | 1457.9 | 1461.8 | 1461.8 | 1470.0 | 1474.1 | 1478.1 | 1478.1 |
| 45°   | 1327.5 | 1335.6 | 1339.7 | 1343.8 | 1347.8 | 1356.0 | 1351.9 | 1360.1 |
| 47.5° | 1197.2 | 1209.4 | 1213.5 | 1217.6 | 1225.7 | 1229.8 | 1233.9 | 1237.9 |
| 50°   | 1079.1 | 1087.3 | 1087.3 | 1095.4 | 1107.7 | 1107.7 | 1115.7 | 1119.8 |
| 52.5° | 961.0  | 965.0  | 969.1  | 973.2  | 981.3  | 989.5  | 989.5  | 997.6  |
| 55°   | 847.0  | 851.1  | 851.1  | 855.1  | 859.2  | 875.5  | 879.6  | 879.6  |
| 57.5° | 728.9  | 728.9  | 737.1  | 741.2  | 745.2  | 753.4  | 753.4  | 753.4  |
| 60°   | 614.8  | 618.9  | 618.9  | 623.0  | 627.1  | 635.2  | 639.3  | 635.2  |
| 62.5° | 500.9  | 504.9  | 504.9  | 509.0  | 517.2  | 521.2  | 517.2  | 517.2  |
| 65°   | 395.0  | 399.1  | 399.1  | 403.2  | 411.3  | 411.3  | 407.2  | 411.3  |
| 67.5° | 289.1  | 289.1  | 289.1  | 289.1  | 289.1  | 289.1  | 289.1  | 289.1  |
| 70°   | 183.3  | 179.2  | 175.1  | 179.2  | 179.2  | 179.2  | 175.1  | 183.3  |
| 72.5° | 89.5   | 93.6   | 93.6   | 93.6   | 93.6   | 93.6   | 93.6   | 89.5   |
| 75°   | 40.7   | 40.7   | 36.7   | 36.7   | 36.7   | 40.7   | 40.7   | 36.7   |
| 77.5° | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   | 12.2   |
| 80°   | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    | 4.1    |
| 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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Scaled Data Report



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Scaled Data Report



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

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