

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: P585168

Luminaire Tested: **HC860D010-HM86080935-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HC860D010-HM86080935-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5023.7 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

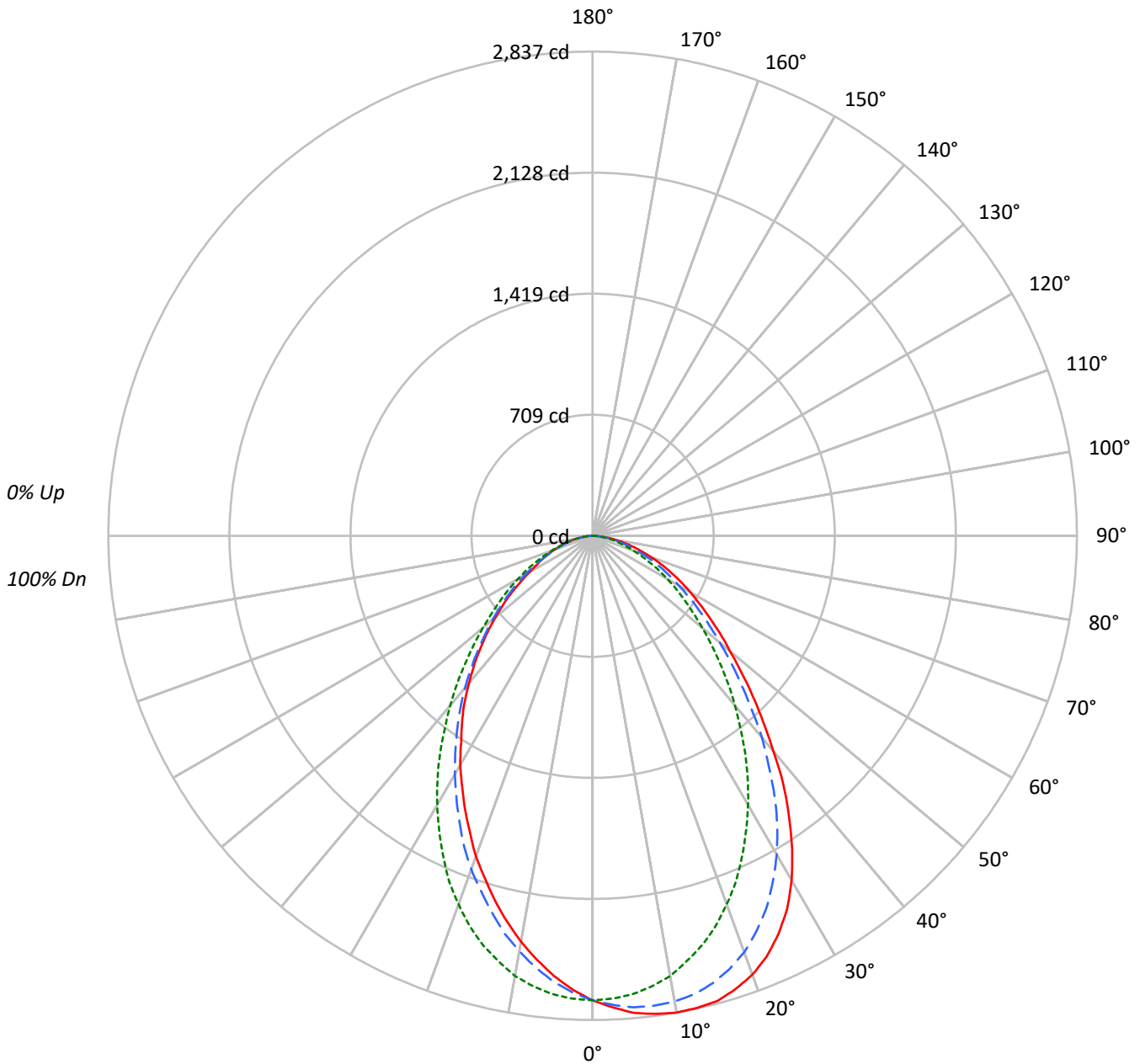
Input Watts (W): 56
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P585168

CATALOG NUMBER: HC860D010-HM86080935-81WWW

Luminous Intensity Polar Plot





TEST NUMBER: P585168

CATALOG NUMBER: HC860D010-HM86080935-81WWW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|--|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | 20 | | | | | | | | | |
| RC | 80 | | | | | | | | | 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 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 | | | | | | | | | | | | | | | | | | | |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | | | | | | | | | | | | | | | | | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | | | | | | | | | | | | | | | |
| 4 | 87 | 76 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 60 | 58 | | | | | | | | | | | | | | | | | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 60 | 54 | 64 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | | | | | | | | | | | | | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | | | | | | | | | | | | | | | | | | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 41 | | | | | | | | | | | | | | | | | | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 39 | 38 | | | | | | | | | | | | | | | | | | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | | | | | | | | | | | | | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | | | | | | | | | | | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 83936 | 83936 | 83936 |
| 5° | 86888 | 83458 | 80146 |
| 10° | 88820 | 81997 | 75637 |
| 15° | 90083 | 79236 | 70626 |
| 20° | 89812 | 75387 | 65572 |
| 25° | 87592 | 70501 | 60195 |
| 30° | 82985 | 64836 | 55233 |
| 35° | 75495 | 58672 | 50191 |
| 40° | 66310 | 52185 | 45346 |
| 45° | 57821 | 45903 | 40430 |
| 50° | 50319 | 40220 | 35610 |
| 55° | 44875 | 35343 | 30972 |
| 60° | 40772 | 30978 | 26427 |
| 65° | 36650 | 26946 | 23984 |
| 70° | 32629 | 22982 | 21638 |
| 75° | 28594 | 19361 | 18479 |
| 80° | 24275 | 15751 | 16408 |
| 85° | 18292 | 11746 | 13055 |



TEST NUMBER: P585168

CATALOG NUMBER: HC860D010-HM86080935-81WWW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 255.0 | 5.1 |
| 10°-20° | 702.5 | 14.0 |
| 20°-30° | 975.1 | 19.4 |
| 30°-40° | 1008.2 | 20.1 |
| 40°-50° | 844.2 | 16.8 |
| 50°-60° | 612.8 | 12.2 |
| 60°-70° | 386.7 | 7.7 |
| 70°-80° | 191.6 | 3.8 |
| 80°-90° | 47.6 | 0.9 |
| 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° | 1932.6 | 38.5 |
| 0°-40° | 2940.8 | 58.5 |
| 0°-60° | 4397.8 | 87.5 |
| 0°-90° | 5023.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5023.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2722 | 2722 | 2722 | 2722 | 2722 | |
| 5° | 2807 | 2774 | 2696 | 2622 | 2589 | 268 |
| 15° | 2822 | 2715 | 2482 | 2283 | 2212 | 794 |
| 25° | 2574 | 2408 | 2072 | 1847 | 1769 | 1180 |
| 35° | 2006 | 1858 | 1559 | 1381 | 1333 | 1249 |
| 45° | 1326 | 1230 | 1053 | 949 | 927 | 1026 |
| 55° | 835 | 761 | 657 | 602 | 576 | 753 |
| 65° | 502 | 440 | 369 | 325 | 329 | 501 |
| 75° | 240 | 199 | 162 | 155 | 155 | 258 |
| 85° | 52 | 41 | 33 | 37 | 37 | 63 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P585168

CATALOG NUMBER: HC860D010-HM86080935-81WWW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 |
| 2.5° | 2766.4 | 2766.4 | 2770.1 | 2766.4 | 2766.4 | 2766.4 | 2762.7 | 2762.7 | 2759.0 | 2759.0 | 2751.7 |
| 5° | 2807.0 | 2799.6 | 2807.0 | 2799.6 | 2799.6 | 2799.6 | 2796.0 | 2788.6 | 2784.9 | 2777.5 | 2773.8 |
| 7.5° | 2825.5 | 2821.8 | 2821.8 | 2818.1 | 2818.1 | 2814.4 | 2810.7 | 2807.0 | 2792.3 | 2788.6 | 2777.5 |
| 10° | 2836.6 | 2832.9 | 2832.9 | 2829.2 | 2821.8 | 2821.8 | 2814.4 | 2810.7 | 2792.3 | 2784.9 | 2770.1 |
| 12.5° | 2832.9 | 2832.9 | 2832.9 | 2829.2 | 2818.1 | 2814.4 | 2807.0 | 2796.0 | 2781.2 | 2766.4 | 2751.7 |
| 15° | 2821.8 | 2821.8 | 2814.4 | 2810.7 | 2799.6 | 2792.3 | 2788.6 | 2770.1 | 2755.4 | 2736.9 | 2714.6 |
| 17.5° | 2784.9 | 2784.9 | 2781.2 | 2773.8 | 2762.7 | 2755.4 | 2748.0 | 2729.5 | 2714.6 | 2685.1 | 2663.0 |
| 20° | 2736.9 | 2733.2 | 2729.5 | 2718.3 | 2707.3 | 2703.6 | 2692.5 | 2666.7 | 2648.2 | 2626.1 | 2596.5 |
| 22.5° | 2666.7 | 2663.0 | 2659.3 | 2651.9 | 2633.4 | 2626.1 | 2618.7 | 2600.2 | 2567.0 | 2544.7 | 2507.8 |
| 25° | 2574.4 | 2574.4 | 2567.0 | 2555.8 | 2537.4 | 2530.0 | 2518.9 | 2500.5 | 2470.9 | 2437.7 | 2408.2 |
| 27.5° | 2467.2 | 2463.5 | 2452.5 | 2445.1 | 2430.3 | 2419.3 | 2400.8 | 2378.5 | 2349.0 | 2323.2 | 2286.3 |
| 30° | 2330.6 | 2330.6 | 2323.2 | 2312.1 | 2293.7 | 2286.3 | 2271.5 | 2245.7 | 2216.0 | 2182.8 | 2157.0 |
| 32.5° | 2175.4 | 2175.4 | 2164.4 | 2157.0 | 2145.9 | 2127.4 | 2123.8 | 2094.2 | 2068.4 | 2042.4 | 2012.9 |
| 35° | 2005.5 | 2009.2 | 2001.8 | 1987.1 | 1968.6 | 1968.6 | 1961.2 | 1935.4 | 1905.9 | 1879.9 | 1857.8 |
| 37.5° | 1835.6 | 1824.6 | 1820.9 | 1813.5 | 1802.4 | 1787.7 | 1780.3 | 1769.2 | 1743.4 | 1724.8 | 1691.6 |
| 40° | 1647.3 | 1651.0 | 1643.6 | 1636.2 | 1632.5 | 1621.4 | 1617.8 | 1599.3 | 1580.9 | 1558.6 | 1543.8 |
| 42.5° | 1477.4 | 1477.4 | 1477.4 | 1470.0 | 1462.6 | 1451.6 | 1447.9 | 1436.8 | 1414.6 | 1399.8 | 1377.6 |
| 45° | 1325.9 | 1314.9 | 1314.9 | 1311.2 | 1307.5 | 1300.1 | 1289.0 | 1281.7 | 1266.9 | 1255.8 | 1229.9 |
| 47.5° | 1178.2 | 1181.9 | 1178.2 | 1174.5 | 1163.4 | 1159.7 | 1156.1 | 1141.3 | 1126.5 | 1115.5 | 1097.0 |
| 50° | 1048.9 | 1056.3 | 1048.9 | 1048.9 | 1041.5 | 1037.8 | 1030.4 | 1019.4 | 1008.3 | 989.8 | 971.4 |
| 52.5° | 941.9 | 941.9 | 938.2 | 934.5 | 923.4 | 916.0 | 912.3 | 908.6 | 890.1 | 875.3 | 860.6 |
| 55° | 834.7 | 838.4 | 838.4 | 827.3 | 823.6 | 816.3 | 812.6 | 801.5 | 794.1 | 772.0 | 760.9 |
| 57.5° | 742.3 | 738.6 | 742.3 | 734.9 | 727.6 | 720.2 | 716.5 | 709.1 | 698.0 | 683.3 | 668.5 |
| 60° | 661.1 | 653.7 | 653.7 | 650.1 | 642.7 | 639.0 | 631.6 | 620.5 | 609.5 | 594.7 | 583.6 |
| 62.5° | 579.9 | 576.1 | 572.4 | 568.7 | 561.4 | 557.7 | 554.0 | 542.9 | 531.8 | 520.8 | 509.7 |
| 65° | 502.3 | 502.3 | 498.6 | 491.2 | 487.5 | 483.9 | 480.2 | 472.8 | 458.0 | 450.6 | 439.6 |
| 67.5° | 432.2 | 428.5 | 428.5 | 421.1 | 413.7 | 409.9 | 409.9 | 402.5 | 391.5 | 380.4 | 373.0 |
| 70° | 361.9 | 365.6 | 361.9 | 358.2 | 350.9 | 350.9 | 343.5 | 339.8 | 325.0 | 321.3 | 310.3 |
| 72.5° | 299.2 | 299.2 | 295.5 | 295.5 | 288.1 | 284.4 | 284.4 | 277.0 | 269.7 | 262.3 | 254.9 |
| 75° | 240.0 | 240.0 | 240.0 | 236.3 | 232.6 | 225.3 | 225.3 | 221.6 | 214.2 | 206.8 | 199.4 |
| 77.5° | 188.4 | 184.7 | 184.7 | 181.0 | 177.3 | 173.6 | 173.6 | 169.9 | 162.5 | 158.8 | 151.4 |
| 80° | 136.7 | 133.0 | 133.0 | 133.0 | 125.6 | 129.3 | 125.6 | 121.9 | 118.2 | 114.5 | 110.8 |
| 82.5° | 88.7 | 92.4 | 92.4 | 88.7 | 85.0 | 85.0 | 85.0 | 81.2 | 81.2 | 77.5 | 73.8 |
| 85° | 51.7 | 51.7 | 51.7 | 51.7 | 48.0 | 48.0 | 48.0 | 44.3 | 44.3 | 44.3 | 40.6 |
| 87.5° | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 22.1 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 |
| 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: P585168

CATALOG NUMBER: HC860D010-HM86080935-81WWW

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 |
| 2.5° | 2751.7 | 2744.3 | 2740.6 | 2736.9 | 2736.9 | 2733.2 | 2729.5 | 2722.0 | 2722.0 | 2714.6 | 2711.0 |
| 5° | 2766.4 | 2755.4 | 2748.0 | 2740.6 | 2736.9 | 2729.5 | 2722.0 | 2711.0 | 2707.3 | 2696.2 | 2685.1 |
| 7.5° | 2770.1 | 2751.7 | 2744.3 | 2729.5 | 2722.0 | 2714.6 | 2699.9 | 2688.8 | 2674.0 | 2663.0 | 2648.2 |
| 10° | 2755.4 | 2740.6 | 2722.0 | 2703.6 | 2699.9 | 2688.8 | 2666.7 | 2651.9 | 2633.4 | 2618.7 | 2596.5 |
| 12.5° | 2733.2 | 2711.0 | 2692.5 | 2670.4 | 2659.3 | 2648.2 | 2626.1 | 2603.9 | 2578.1 | 2552.1 | 2530.0 |
| 15° | 2696.2 | 2670.4 | 2644.5 | 2618.7 | 2603.9 | 2592.8 | 2567.0 | 2541.1 | 2515.2 | 2482.0 | 2459.9 |
| 17.5° | 2640.8 | 2611.3 | 2585.5 | 2552.1 | 2537.4 | 2526.3 | 2493.1 | 2463.5 | 2430.3 | 2397.1 | 2374.9 |
| 20° | 2570.7 | 2533.7 | 2504.1 | 2467.2 | 2456.2 | 2437.7 | 2404.5 | 2371.2 | 2334.3 | 2297.3 | 2271.5 |
| 22.5° | 2478.3 | 2441.4 | 2408.2 | 2371.2 | 2352.7 | 2334.3 | 2301.0 | 2260.4 | 2223.4 | 2193.9 | 2168.0 |
| 25° | 2371.2 | 2337.9 | 2297.3 | 2264.1 | 2242.0 | 2219.7 | 2182.8 | 2149.6 | 2116.4 | 2072.1 | 2046.1 |
| 27.5° | 2253.1 | 2212.3 | 2182.8 | 2138.5 | 2116.4 | 2101.6 | 2060.9 | 2016.6 | 1987.1 | 1946.5 | 1917.0 |
| 30° | 2120.1 | 2083.2 | 2049.8 | 2005.5 | 1983.4 | 1968.6 | 1931.7 | 1891.0 | 1861.5 | 1820.9 | 1791.3 |
| 32.5° | 1979.7 | 1939.1 | 1898.4 | 1868.9 | 1843.0 | 1828.3 | 1787.7 | 1761.8 | 1724.8 | 1691.6 | 1658.4 |
| 35° | 1828.3 | 1787.7 | 1758.1 | 1717.4 | 1702.6 | 1687.9 | 1654.7 | 1621.4 | 1588.2 | 1558.6 | 1532.8 |
| 37.5° | 1665.7 | 1636.2 | 1603.0 | 1573.5 | 1562.3 | 1547.5 | 1506.9 | 1477.4 | 1451.6 | 1422.0 | 1399.8 |
| 40° | 1506.9 | 1481.1 | 1458.9 | 1429.4 | 1411.0 | 1399.8 | 1370.2 | 1344.4 | 1314.9 | 1296.4 | 1274.3 |
| 42.5° | 1362.9 | 1333.3 | 1311.2 | 1289.0 | 1270.6 | 1259.5 | 1233.6 | 1215.1 | 1193.0 | 1174.5 | 1148.7 |
| 45° | 1211.4 | 1196.7 | 1170.8 | 1152.4 | 1141.3 | 1126.5 | 1108.1 | 1085.9 | 1067.4 | 1052.6 | 1034.1 |
| 47.5° | 1078.5 | 1063.7 | 1045.2 | 1023.1 | 1015.7 | 1004.6 | 986.2 | 971.4 | 956.6 | 941.9 | 923.4 |
| 50° | 956.6 | 938.2 | 923.4 | 908.6 | 901.2 | 890.1 | 871.6 | 864.2 | 853.2 | 838.4 | 827.3 |
| 52.5° | 845.8 | 831.0 | 816.3 | 797.8 | 794.1 | 786.7 | 775.7 | 760.9 | 749.8 | 742.3 | 734.9 |
| 55° | 746.1 | 731.3 | 720.2 | 705.4 | 701.7 | 694.3 | 679.6 | 672.2 | 664.8 | 657.4 | 650.1 |
| 57.5° | 657.4 | 642.7 | 627.9 | 620.5 | 613.1 | 605.8 | 602.1 | 591.0 | 583.6 | 579.9 | 572.4 |
| 60° | 576.1 | 561.4 | 550.3 | 539.2 | 535.5 | 531.8 | 524.5 | 517.1 | 509.7 | 502.3 | 498.6 |
| 62.5° | 498.6 | 483.9 | 476.5 | 469.1 | 461.7 | 461.7 | 454.3 | 446.9 | 439.6 | 435.9 | 428.5 |
| 65° | 428.5 | 421.1 | 409.9 | 398.8 | 395.2 | 395.2 | 384.1 | 380.4 | 376.7 | 369.3 | 361.9 |
| 67.5° | 361.9 | 354.6 | 343.5 | 339.8 | 336.1 | 332.4 | 328.7 | 321.3 | 314.0 | 310.3 | 302.9 |
| 70° | 302.9 | 295.5 | 288.1 | 284.4 | 280.7 | 277.0 | 269.7 | 266.0 | 258.6 | 254.9 | 251.2 |
| 72.5° | 243.7 | 240.0 | 232.6 | 228.9 | 225.3 | 221.6 | 217.9 | 214.2 | 206.8 | 203.1 | 199.4 |
| 75° | 195.7 | 192.0 | 184.7 | 181.0 | 177.3 | 177.3 | 173.6 | 166.2 | 162.5 | 162.5 | 158.8 |
| 77.5° | 147.8 | 144.1 | 140.4 | 136.7 | 133.0 | 133.0 | 129.3 | 125.6 | 121.9 | 121.9 | 118.2 |
| 80° | 107.2 | 103.5 | 99.8 | 99.8 | 99.8 | 96.1 | 92.4 | 92.4 | 88.7 | 88.7 | 85.0 |
| 82.5° | 70.1 | 70.1 | 66.4 | 66.4 | 66.4 | 62.7 | 62.7 | 59.1 | 59.1 | 59.1 | 59.1 |
| 85° | 40.6 | 40.6 | 40.6 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 33.2 | 36.9 |
| 87.5° | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 14.8 | 14.8 | 14.8 |
| 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: P585168

CATALOG NUMBER: HC860D010-HM86080935-81WWW

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 |
| 2.5° | 2707.3 | 2703.6 | 2696.2 | 2696.2 | 2688.8 | 2688.8 | 2685.1 | 2681.4 | 2677.7 | 2674.0 | 2670.4 |
| 5° | 2681.4 | 2666.7 | 2659.3 | 2655.6 | 2648.2 | 2644.5 | 2633.4 | 2626.1 | 2622.4 | 2615.0 | 2607.6 |
| 7.5° | 2633.4 | 2618.7 | 2603.9 | 2600.2 | 2596.5 | 2581.8 | 2570.7 | 2559.6 | 2552.1 | 2544.7 | 2537.4 |
| 10° | 2578.1 | 2563.3 | 2544.7 | 2537.4 | 2530.0 | 2511.5 | 2496.8 | 2485.7 | 2470.9 | 2456.2 | 2452.5 |
| 12.5° | 2511.5 | 2489.4 | 2467.2 | 2459.9 | 2448.8 | 2430.3 | 2415.6 | 2397.1 | 2385.9 | 2367.5 | 2363.8 |
| 15° | 2434.0 | 2408.2 | 2389.6 | 2371.2 | 2363.8 | 2345.3 | 2319.5 | 2304.7 | 2282.6 | 2275.2 | 2256.7 |
| 17.5° | 2341.6 | 2315.8 | 2290.0 | 2282.6 | 2271.5 | 2245.7 | 2219.7 | 2201.3 | 2179.1 | 2168.0 | 2157.0 |
| 20° | 2245.7 | 2212.3 | 2186.5 | 2179.1 | 2164.4 | 2142.2 | 2116.4 | 2097.9 | 2079.5 | 2057.2 | 2046.1 |
| 22.5° | 2134.8 | 2097.9 | 2075.8 | 2057.2 | 2053.5 | 2027.7 | 1998.2 | 1983.4 | 1968.6 | 1950.2 | 1935.4 |
| 25° | 2012.9 | 1979.7 | 1953.9 | 1939.1 | 1931.7 | 1909.6 | 1887.3 | 1868.9 | 1846.7 | 1835.6 | 1817.2 |
| 27.5° | 1887.3 | 1865.2 | 1831.9 | 1817.2 | 1806.1 | 1787.7 | 1761.8 | 1750.7 | 1728.5 | 1713.7 | 1702.6 |
| 30° | 1765.5 | 1732.2 | 1713.7 | 1695.3 | 1684.2 | 1665.7 | 1643.6 | 1632.5 | 1614.1 | 1599.3 | 1588.2 |
| 32.5° | 1632.5 | 1610.4 | 1584.5 | 1577.2 | 1562.3 | 1543.8 | 1529.1 | 1510.6 | 1495.8 | 1481.1 | 1477.4 |
| 35° | 1510.6 | 1481.1 | 1455.2 | 1447.9 | 1436.8 | 1418.3 | 1411.0 | 1399.8 | 1381.3 | 1377.6 | 1362.9 |
| 37.5° | 1377.6 | 1362.9 | 1333.3 | 1322.3 | 1318.6 | 1303.8 | 1289.0 | 1281.7 | 1270.6 | 1259.5 | 1255.8 |
| 40° | 1252.1 | 1233.6 | 1218.8 | 1207.7 | 1200.3 | 1189.3 | 1174.5 | 1170.8 | 1163.4 | 1148.7 | 1145.0 |
| 42.5° | 1133.9 | 1115.5 | 1100.7 | 1097.0 | 1085.9 | 1074.9 | 1067.4 | 1056.3 | 1052.6 | 1048.9 | 1041.5 |
| 45° | 1019.4 | 1008.3 | 993.5 | 989.8 | 986.2 | 971.4 | 964.0 | 956.6 | 949.2 | 945.6 | 938.2 |
| 47.5° | 916.0 | 904.8 | 893.8 | 890.1 | 882.7 | 879.0 | 867.9 | 864.2 | 853.2 | 849.5 | 845.8 |
| 50° | 816.3 | 808.9 | 801.5 | 797.8 | 790.4 | 786.7 | 779.4 | 772.0 | 764.6 | 760.9 | 757.2 |
| 52.5° | 727.6 | 720.2 | 712.8 | 709.1 | 705.4 | 698.0 | 690.7 | 683.3 | 679.6 | 675.9 | 672.2 |
| 55° | 642.7 | 635.3 | 631.6 | 627.9 | 624.2 | 620.5 | 609.5 | 605.8 | 602.1 | 598.4 | 591.0 |
| 57.5° | 565.1 | 557.7 | 550.3 | 550.3 | 546.6 | 542.9 | 535.5 | 528.1 | 528.1 | 520.8 | 513.4 |
| 60° | 494.9 | 487.5 | 480.2 | 476.5 | 472.8 | 465.4 | 461.7 | 458.0 | 454.3 | 450.6 | 443.3 |
| 62.5° | 421.1 | 417.4 | 409.9 | 409.9 | 402.5 | 398.8 | 395.2 | 391.5 | 387.8 | 380.4 | 376.7 |
| 65° | 358.2 | 354.6 | 347.2 | 343.5 | 343.5 | 339.8 | 332.4 | 328.7 | 325.0 | 325.0 | 321.3 |
| 67.5° | 299.2 | 295.5 | 288.1 | 284.4 | 284.4 | 280.7 | 277.0 | 277.0 | 273.4 | 269.7 | 273.4 |
| 70° | 247.4 | 240.0 | 240.0 | 236.3 | 236.3 | 232.6 | 228.9 | 228.9 | 228.9 | 232.6 | 232.6 |
| 72.5° | 195.7 | 192.0 | 188.4 | 188.4 | 188.4 | 188.4 | 184.7 | 184.7 | 188.4 | 192.0 | 192.0 |
| 75° | 155.1 | 151.4 | 151.4 | 151.4 | 147.8 | 147.8 | 151.4 | 151.4 | 155.1 | 155.1 | 155.1 |
| 77.5° | 114.5 | 114.5 | 114.5 | 114.5 | 114.5 | 114.5 | 118.2 | 118.2 | 121.9 | 121.9 | 121.9 |
| 80° | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 92.4 |
| 82.5° | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 62.7 | 62.7 | 62.7 | 62.7 |
| 85° | 33.2 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| 87.5° | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 |
| 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: P585168

CATALOG NUMBER: HC860D010-HM86080935-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 | 2722.0 |
| 2.5° | 2666.7 | 2666.7 | 2666.7 | 2670.4 | 2663.0 | 2663.0 | 2663.0 | 2663.0 |
| 5° | 2603.9 | 2600.2 | 2596.5 | 2600.2 | 2592.8 | 2592.8 | 2589.2 | 2589.2 |
| 7.5° | 2526.3 | 2522.6 | 2518.9 | 2518.9 | 2511.5 | 2511.5 | 2507.8 | 2504.1 |
| 10° | 2441.4 | 2434.0 | 2437.7 | 2430.3 | 2426.6 | 2422.9 | 2419.3 | 2415.6 |
| 12.5° | 2349.0 | 2341.6 | 2337.9 | 2330.6 | 2323.2 | 2319.5 | 2323.2 | 2315.8 |
| 15° | 2249.4 | 2238.3 | 2234.6 | 2227.1 | 2219.7 | 2216.0 | 2216.0 | 2212.3 |
| 17.5° | 2138.5 | 2131.1 | 2127.4 | 2120.1 | 2116.4 | 2109.0 | 2105.3 | 2101.6 |
| 20° | 2035.1 | 2016.6 | 2020.3 | 2012.9 | 2009.2 | 1994.5 | 1994.5 | 1998.2 |
| 22.5° | 1920.6 | 1909.6 | 1902.2 | 1894.7 | 1891.0 | 1883.6 | 1883.6 | 1879.9 |
| 25° | 1806.1 | 1795.0 | 1791.3 | 1784.0 | 1780.3 | 1772.9 | 1769.2 | 1769.2 |
| 27.5° | 1695.3 | 1680.5 | 1680.5 | 1673.1 | 1665.7 | 1662.0 | 1658.4 | 1654.7 |
| 30° | 1577.2 | 1566.0 | 1562.3 | 1562.3 | 1558.6 | 1558.6 | 1547.5 | 1551.2 |
| 32.5° | 1466.3 | 1458.9 | 1455.2 | 1447.9 | 1447.9 | 1444.2 | 1444.2 | 1433.1 |
| 35° | 1355.5 | 1344.4 | 1348.1 | 1340.7 | 1337.0 | 1333.3 | 1337.0 | 1333.3 |
| 37.5° | 1248.4 | 1241.1 | 1241.1 | 1233.6 | 1233.6 | 1229.9 | 1226.2 | 1233.6 |
| 40° | 1141.3 | 1137.6 | 1133.9 | 1130.2 | 1133.9 | 1130.2 | 1122.8 | 1126.5 |
| 42.5° | 1034.1 | 1034.1 | 1030.4 | 1030.4 | 1026.8 | 1026.8 | 1026.8 | 1026.8 |
| 45° | 938.2 | 934.5 | 934.5 | 930.8 | 930.8 | 930.8 | 930.8 | 927.1 |
| 47.5° | 842.1 | 838.4 | 838.4 | 838.4 | 834.7 | 834.7 | 831.0 | 834.7 |
| 50° | 749.8 | 749.8 | 746.1 | 746.1 | 749.8 | 746.1 | 742.3 | 742.3 |
| 52.5° | 664.8 | 664.8 | 661.1 | 661.1 | 657.4 | 653.7 | 657.4 | 657.4 |
| 55° | 587.3 | 583.6 | 579.9 | 579.9 | 576.1 | 572.4 | 572.4 | 576.1 |
| 57.5° | 513.4 | 509.7 | 506.0 | 506.0 | 498.6 | 494.9 | 494.9 | 494.9 |
| 60° | 443.3 | 435.9 | 435.9 | 432.2 | 432.2 | 428.5 | 428.5 | 428.5 |
| 62.5° | 376.7 | 373.0 | 373.0 | 373.0 | 373.0 | 369.3 | 369.3 | 369.3 |
| 65° | 321.3 | 321.3 | 321.3 | 325.0 | 325.0 | 328.7 | 328.7 | 328.7 |
| 67.5° | 277.0 | 280.7 | 280.7 | 280.7 | 284.4 | 284.4 | 284.4 | 280.7 |
| 70° | 236.3 | 236.3 | 236.3 | 240.0 | 240.0 | 240.0 | 240.0 | 240.0 |
| 72.5° | 195.7 | 195.7 | 195.7 | 195.7 | 195.7 | 195.7 | 195.7 | 195.7 |
| 75° | 155.1 | 158.8 | 158.8 | 158.8 | 155.1 | 158.8 | 158.8 | 155.1 |
| 77.5° | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 | 121.9 |
| 80° | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 82.5° | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 85° | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| 87.5° | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 | 14.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



Report Generated By 670245859 / DESKTOP-HRDQ47P





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













(END OF REPORT)