

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: P585032

Luminaire Tested: **HCC8W55D010BZ-HM82555935-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585032
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: HCC8W55D010BZ-HM82555935-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

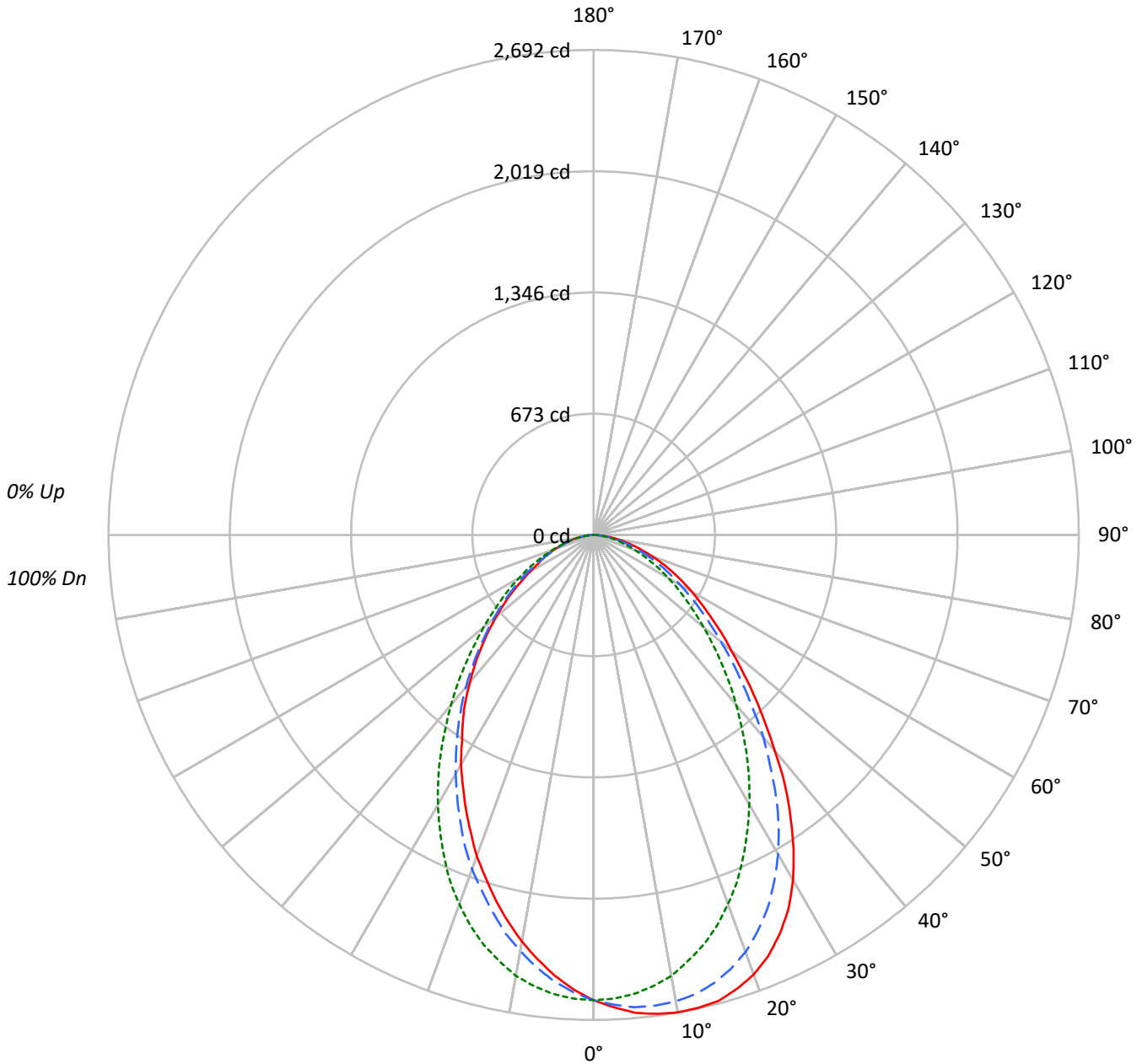
Lumens per Lamp: N/A
Luminaire Lumens: 4766.9 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (A_{in}): 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: P585032
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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 | 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 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 | | | | | 87 | | | |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | | | | | 76 | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | 66 | | | |
| 4 | 87 | 76 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 60 | 58 | | | | | 58 | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 60 | 54 | 64 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | 51 | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | | | | | 46 | | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 41 | | | | | 41 | | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 39 | 38 | | | | | 38 | | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | 34 | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | | | | 32 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 79647 | 79647 | 79647 |
| 5° | 82446 | 79193 | 76045 |
| 10° | 84276 | 77804 | 71770 |
| 15° | 85480 | 75184 | 67018 |
| 20° | 85218 | 71534 | 62215 |
| 25° | 83111 | 66895 | 57120 |
| 30° | 78741 | 61521 | 52410 |
| 35° | 71637 | 55672 | 47627 |
| 40° | 62921 | 49516 | 43027 |
| 45° | 54865 | 43557 | 38363 |
| 50° | 47747 | 38167 | 33792 |
| 55° | 42579 | 33542 | 29391 |
| 60° | 38693 | 29399 | 25076 |
| 65° | 34782 | 25567 | 22758 |
| 70° | 30961 | 21801 | 20538 |
| 75° | 27141 | 18372 | 17538 |
| 80° | 23014 | 14934 | 15574 |
| 85° | 17372 | 11145 | 12383 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 241.9 | 5.1 |
| 10°-20° | 666.6 | 14.0 |
| 20°-30° | 925.3 | 19.4 |
| 30°-40° | 956.6 | 20.1 |
| 40°-50° | 801.0 | 16.8 |
| 50°-60° | 581.5 | 12.2 |
| 60°-70° | 367.0 | 7.7 |
| 70°-80° | 181.8 | 3.8 |
| 80°-90° | 45.2 | 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° | 1833.8 | 38.5 |
| 0°-40° | 2790.4 | 58.5 |
| 0°-60° | 4172.9 | 87.5 |
| 0°-90° | 4766.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4766.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2583 | 2583 | 2583 | 2583 | 2583 | |
| 5° | 2664 | 2632 | 2558 | 2488 | 2457 | 255 |
| 15° | 2678 | 2576 | 2355 | 2166 | 2099 | 754 |
| 25° | 2443 | 2285 | 1966 | 1752 | 1679 | 1119 |
| 35° | 1903 | 1763 | 1479 | 1311 | 1265 | 1185 |
| 45° | 1258 | 1167 | 999 | 901 | 880 | 973 |
| 55° | 792 | 722 | 624 | 571 | 547 | 715 |
| 65° | 477 | 417 | 350 | 308 | 312 | 475 |
| 75° | 228 | 189 | 154 | 147 | 147 | 244 |
| 85° | 49 | 39 | 32 | 35 | 35 | 60 |
| 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° | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 |
| 2.5° | 2624.9 | 2624.9 | 2628.4 | 2624.9 | 2624.9 | 2624.9 | 2621.4 | 2621.4 | 2618.0 | 2618.0 | 2611.0 |
| 5° | 2663.5 | 2656.5 | 2663.5 | 2656.5 | 2656.5 | 2656.5 | 2653.1 | 2646.0 | 2642.5 | 2635.5 | 2632.0 |
| 7.5° | 2681.1 | 2677.6 | 2677.6 | 2674.0 | 2674.0 | 2670.5 | 2667.0 | 2663.5 | 2649.5 | 2646.0 | 2635.5 |
| 10° | 2691.5 | 2688.1 | 2688.1 | 2684.6 | 2677.6 | 2677.6 | 2670.5 | 2667.0 | 2649.5 | 2642.5 | 2628.4 |
| 12.5° | 2688.1 | 2688.1 | 2688.1 | 2684.6 | 2674.0 | 2670.5 | 2663.5 | 2653.1 | 2639.0 | 2624.9 | 2611.0 |
| 15° | 2677.6 | 2677.6 | 2670.5 | 2667.0 | 2656.5 | 2649.5 | 2646.0 | 2628.4 | 2614.5 | 2596.9 | 2575.9 |
| 17.5° | 2642.5 | 2642.5 | 2639.0 | 2632.0 | 2621.4 | 2614.5 | 2607.5 | 2589.9 | 2575.9 | 2547.8 | 2526.8 |
| 20° | 2596.9 | 2593.4 | 2589.9 | 2579.5 | 2568.9 | 2565.4 | 2554.8 | 2530.3 | 2512.8 | 2491.8 | 2463.8 |
| 22.5° | 2530.3 | 2526.8 | 2523.3 | 2516.3 | 2498.8 | 2491.8 | 2484.8 | 2467.3 | 2435.8 | 2414.7 | 2379.6 |
| 25° | 2442.7 | 2442.7 | 2435.8 | 2425.2 | 2407.6 | 2400.7 | 2390.2 | 2372.6 | 2344.6 | 2313.1 | 2285.0 |
| 27.5° | 2341.1 | 2337.6 | 2327.1 | 2320.1 | 2306.0 | 2295.5 | 2278.0 | 2257.0 | 2228.9 | 2204.4 | 2169.4 |
| 30° | 2211.4 | 2211.4 | 2204.4 | 2193.9 | 2176.4 | 2169.4 | 2155.3 | 2130.8 | 2102.8 | 2071.3 | 2046.7 |
| 32.5° | 2064.2 | 2064.2 | 2053.7 | 2046.7 | 2036.2 | 2018.7 | 2015.1 | 1987.1 | 1962.6 | 1938.0 | 1910.0 |
| 35° | 1903.0 | 1906.5 | 1899.5 | 1885.5 | 1867.9 | 1867.9 | 1860.9 | 1836.4 | 1808.4 | 1783.9 | 1762.8 |
| 37.5° | 1741.8 | 1731.3 | 1727.8 | 1720.7 | 1710.3 | 1696.2 | 1689.2 | 1678.8 | 1654.2 | 1636.7 | 1605.2 |
| 40° | 1563.1 | 1566.6 | 1559.6 | 1552.5 | 1549.0 | 1538.5 | 1535.0 | 1517.5 | 1499.9 | 1478.9 | 1464.9 |
| 42.5° | 1401.8 | 1401.8 | 1401.8 | 1394.8 | 1387.9 | 1377.3 | 1373.8 | 1363.3 | 1342.3 | 1328.2 | 1307.2 |
| 45° | 1258.1 | 1247.6 | 1247.6 | 1244.2 | 1240.7 | 1233.6 | 1223.1 | 1216.1 | 1202.1 | 1191.6 | 1167.1 |
| 47.5° | 1118.0 | 1121.5 | 1118.0 | 1114.5 | 1103.9 | 1100.5 | 1097.0 | 1082.9 | 1068.9 | 1058.4 | 1040.9 |
| 50° | 995.3 | 1002.3 | 995.3 | 995.3 | 988.3 | 984.8 | 977.8 | 967.3 | 956.8 | 939.2 | 921.7 |
| 52.5° | 893.6 | 893.6 | 890.1 | 886.6 | 876.2 | 869.2 | 865.6 | 862.1 | 844.7 | 830.6 | 816.5 |
| 55° | 792.0 | 795.6 | 795.6 | 785.0 | 781.5 | 774.6 | 771.1 | 760.5 | 753.5 | 732.5 | 722.0 |
| 57.5° | 704.4 | 701.0 | 704.4 | 697.5 | 690.4 | 683.4 | 679.9 | 672.8 | 662.4 | 648.4 | 634.3 |
| 60° | 627.4 | 620.3 | 620.3 | 616.8 | 609.8 | 606.3 | 599.2 | 588.8 | 578.3 | 564.2 | 553.8 |
| 62.5° | 550.3 | 546.7 | 543.2 | 539.7 | 532.7 | 529.2 | 525.6 | 515.2 | 504.7 | 494.1 | 483.7 |
| 65° | 476.7 | 476.7 | 473.1 | 466.1 | 462.6 | 459.1 | 455.6 | 448.6 | 434.6 | 427.5 | 417.0 |
| 67.5° | 410.1 | 406.6 | 406.6 | 399.5 | 392.5 | 389.0 | 389.0 | 382.0 | 371.5 | 361.0 | 353.9 |
| 70° | 343.4 | 346.9 | 343.4 | 340.0 | 333.0 | 333.0 | 325.9 | 322.4 | 308.4 | 305.0 | 294.4 |
| 72.5° | 283.9 | 283.9 | 280.3 | 280.3 | 273.3 | 269.9 | 269.9 | 262.9 | 255.8 | 248.8 | 241.8 |
| 75° | 227.8 | 227.8 | 227.8 | 224.3 | 220.8 | 213.8 | 213.8 | 210.3 | 203.2 | 196.3 | 189.3 |
| 77.5° | 178.7 | 175.2 | 175.2 | 171.7 | 168.2 | 164.7 | 164.7 | 161.3 | 154.2 | 150.7 | 143.7 |
| 80° | 129.6 | 126.2 | 126.2 | 126.2 | 119.2 | 122.7 | 119.2 | 115.7 | 112.2 | 108.6 | 105.1 |
| 82.5° | 84.1 | 87.7 | 87.7 | 84.1 | 80.6 | 80.6 | 80.6 | 77.1 | 77.1 | 73.6 | 70.1 |
| 85° | 49.1 | 49.1 | 49.1 | 49.1 | 45.6 | 45.6 | 45.6 | 42.1 | 42.1 | 42.1 | 38.6 |
| 87.5° | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 21.0 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 |
| 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° | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 |
| 2.5° | 2611.0 | 2603.9 | 2600.4 | 2596.9 | 2596.9 | 2593.4 | 2589.9 | 2582.9 | 2582.9 | 2575.9 | 2572.4 |
| 5° | 2624.9 | 2614.5 | 2607.5 | 2600.4 | 2596.9 | 2589.9 | 2582.9 | 2572.4 | 2568.9 | 2558.4 | 2547.8 |
| 7.5° | 2628.4 | 2611.0 | 2603.9 | 2589.9 | 2582.9 | 2575.9 | 2561.9 | 2551.3 | 2537.4 | 2526.8 | 2512.8 |
| 10° | 2614.5 | 2600.4 | 2582.9 | 2565.4 | 2561.9 | 2551.3 | 2530.3 | 2516.3 | 2498.8 | 2484.8 | 2463.8 |
| 12.5° | 2593.4 | 2572.4 | 2554.8 | 2533.9 | 2523.3 | 2512.8 | 2491.8 | 2470.8 | 2446.2 | 2421.7 | 2400.7 |
| 15° | 2558.4 | 2533.9 | 2509.4 | 2484.8 | 2470.8 | 2460.3 | 2435.8 | 2411.2 | 2386.7 | 2355.1 | 2334.0 |
| 17.5° | 2505.9 | 2477.7 | 2453.2 | 2421.7 | 2407.6 | 2397.2 | 2365.6 | 2337.6 | 2306.0 | 2274.5 | 2253.5 |
| 20° | 2439.2 | 2404.1 | 2376.1 | 2341.1 | 2330.5 | 2313.1 | 2281.5 | 2250.0 | 2215.0 | 2179.9 | 2155.3 |
| 22.5° | 2351.6 | 2316.6 | 2285.0 | 2250.0 | 2232.4 | 2215.0 | 2183.4 | 2144.9 | 2109.8 | 2081.7 | 2057.2 |
| 25° | 2250.0 | 2218.5 | 2179.9 | 2148.4 | 2127.3 | 2106.3 | 2071.3 | 2039.7 | 2008.1 | 1966.1 | 1941.5 |
| 27.5° | 2137.8 | 2099.3 | 2071.3 | 2029.2 | 2008.1 | 1994.2 | 1955.6 | 1913.5 | 1885.5 | 1847.0 | 1818.9 |
| 30° | 2011.6 | 1976.6 | 1945.1 | 1903.0 | 1882.0 | 1867.9 | 1832.9 | 1794.3 | 1766.3 | 1727.8 | 1699.8 |
| 32.5° | 1878.5 | 1839.9 | 1801.4 | 1773.4 | 1748.9 | 1734.8 | 1696.2 | 1671.7 | 1636.7 | 1605.2 | 1573.5 |
| 35° | 1734.8 | 1696.2 | 1668.2 | 1629.7 | 1615.6 | 1601.7 | 1570.1 | 1538.5 | 1507.0 | 1478.9 | 1454.5 |
| 37.5° | 1580.6 | 1552.5 | 1521.0 | 1493.0 | 1482.5 | 1468.4 | 1429.8 | 1401.8 | 1377.3 | 1349.3 | 1328.2 |
| 40° | 1429.8 | 1405.3 | 1384.4 | 1356.2 | 1338.8 | 1328.2 | 1300.2 | 1275.7 | 1247.6 | 1230.1 | 1209.2 |
| 42.5° | 1293.2 | 1265.2 | 1244.2 | 1223.1 | 1205.6 | 1195.1 | 1170.6 | 1153.0 | 1132.0 | 1114.5 | 1090.0 |
| 45° | 1149.5 | 1135.6 | 1110.9 | 1093.5 | 1082.9 | 1068.9 | 1051.4 | 1030.3 | 1012.8 | 998.8 | 981.3 |
| 47.5° | 1023.4 | 1009.3 | 991.9 | 970.8 | 963.7 | 953.3 | 935.7 | 921.7 | 907.7 | 893.6 | 876.2 |
| 50° | 907.7 | 890.1 | 876.2 | 862.1 | 855.1 | 844.7 | 827.1 | 820.0 | 809.6 | 795.6 | 785.0 |
| 52.5° | 802.6 | 788.5 | 774.6 | 757.0 | 753.5 | 746.4 | 736.0 | 722.0 | 711.4 | 704.4 | 697.5 |
| 55° | 707.9 | 693.9 | 683.4 | 669.3 | 665.9 | 658.9 | 644.8 | 637.8 | 630.9 | 623.9 | 616.8 |
| 57.5° | 623.9 | 609.8 | 595.8 | 588.8 | 581.8 | 574.7 | 571.2 | 560.7 | 553.8 | 550.3 | 543.2 |
| 60° | 546.7 | 532.7 | 522.2 | 511.7 | 508.2 | 504.7 | 497.6 | 490.6 | 483.7 | 476.7 | 473.1 |
| 62.5° | 473.1 | 459.1 | 452.0 | 445.1 | 438.1 | 438.1 | 431.1 | 424.0 | 417.0 | 413.6 | 406.6 |
| 65° | 406.6 | 399.5 | 389.0 | 378.6 | 375.0 | 375.0 | 364.5 | 361.0 | 357.5 | 350.4 | 343.4 |
| 67.5° | 343.4 | 336.5 | 325.9 | 322.4 | 318.9 | 315.4 | 311.9 | 305.0 | 297.9 | 294.4 | 287.4 |
| 70° | 287.4 | 280.3 | 273.3 | 269.9 | 266.4 | 262.9 | 255.8 | 252.3 | 245.3 | 241.8 | 238.3 |
| 72.5° | 231.4 | 227.8 | 220.8 | 217.3 | 213.8 | 210.3 | 206.7 | 203.2 | 196.3 | 192.8 | 189.3 |
| 75° | 185.8 | 182.2 | 175.2 | 171.7 | 168.2 | 168.2 | 164.7 | 157.8 | 154.2 | 154.2 | 150.7 |
| 77.5° | 140.2 | 136.7 | 133.1 | 129.6 | 126.2 | 126.2 | 122.7 | 119.2 | 115.7 | 115.7 | 112.2 |
| 80° | 101.6 | 98.1 | 94.6 | 94.6 | 94.6 | 91.1 | 87.7 | 87.7 | 84.1 | 84.1 | 80.6 |
| 82.5° | 66.6 | 66.6 | 63.1 | 63.1 | 63.1 | 59.5 | 59.5 | 56.0 | 56.0 | 56.0 | 56.0 |
| 85° | 38.6 | 38.6 | 38.6 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 31.5 | 35.0 |
| 87.5° | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 17.6 | 14.1 | 14.1 | 14.1 |
| 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):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 |
| 2.5° | 2568.9 | 2565.4 | 2558.4 | 2558.4 | 2551.3 | 2551.3 | 2547.8 | 2544.4 | 2540.9 | 2537.4 | 2533.9 |
| 5° | 2544.4 | 2530.3 | 2523.3 | 2519.8 | 2512.8 | 2509.4 | 2498.8 | 2491.8 | 2488.3 | 2481.2 | 2474.2 |
| 7.5° | 2498.8 | 2484.8 | 2470.8 | 2467.3 | 2463.8 | 2449.7 | 2439.2 | 2428.7 | 2421.7 | 2414.7 | 2407.6 |
| 10° | 2446.2 | 2432.3 | 2414.7 | 2407.6 | 2400.7 | 2383.1 | 2369.1 | 2358.6 | 2344.6 | 2330.5 | 2327.1 |
| 12.5° | 2383.1 | 2362.2 | 2341.1 | 2334.0 | 2323.6 | 2306.0 | 2292.1 | 2274.5 | 2264.0 | 2246.5 | 2243.0 |
| 15° | 2309.5 | 2285.0 | 2267.5 | 2250.0 | 2243.0 | 2225.4 | 2200.9 | 2186.8 | 2165.9 | 2158.8 | 2141.4 |
| 17.5° | 2221.9 | 2197.4 | 2172.9 | 2165.9 | 2155.3 | 2130.8 | 2106.3 | 2088.7 | 2067.8 | 2057.2 | 2046.7 |
| 20° | 2130.8 | 2099.3 | 2074.8 | 2067.8 | 2053.7 | 2032.7 | 2008.1 | 1990.6 | 1973.1 | 1952.1 | 1941.5 |
| 22.5° | 2025.7 | 1990.6 | 1969.5 | 1952.1 | 1948.6 | 1924.1 | 1895.9 | 1882.0 | 1867.9 | 1850.5 | 1836.4 |
| 25° | 1910.0 | 1878.5 | 1854.0 | 1839.9 | 1832.9 | 1811.9 | 1790.8 | 1773.4 | 1752.3 | 1741.8 | 1724.2 |
| 27.5° | 1790.8 | 1769.8 | 1738.3 | 1724.2 | 1713.8 | 1696.2 | 1671.7 | 1661.2 | 1640.2 | 1626.1 | 1615.6 |
| 30° | 1675.3 | 1643.6 | 1626.1 | 1608.6 | 1598.1 | 1580.6 | 1559.6 | 1549.0 | 1531.6 | 1517.5 | 1507.0 |
| 32.5° | 1549.0 | 1528.1 | 1503.4 | 1496.5 | 1482.5 | 1464.9 | 1450.9 | 1433.4 | 1419.4 | 1405.3 | 1401.8 |
| 35° | 1433.4 | 1405.3 | 1380.9 | 1373.8 | 1363.3 | 1345.8 | 1338.8 | 1328.2 | 1310.8 | 1307.2 | 1293.2 |
| 37.5° | 1307.2 | 1293.2 | 1265.2 | 1254.6 | 1251.1 | 1237.2 | 1223.1 | 1216.1 | 1205.6 | 1195.1 | 1191.6 |
| 40° | 1188.1 | 1170.6 | 1156.5 | 1146.0 | 1138.9 | 1128.5 | 1114.5 | 1110.9 | 1103.9 | 1090.0 | 1086.4 |
| 42.5° | 1075.9 | 1058.4 | 1044.4 | 1040.9 | 1030.3 | 1019.9 | 1012.8 | 1002.3 | 998.8 | 995.3 | 988.3 |
| 45° | 967.3 | 956.8 | 942.8 | 939.2 | 935.7 | 921.7 | 914.7 | 907.7 | 900.7 | 897.2 | 890.1 |
| 47.5° | 869.2 | 858.6 | 848.2 | 844.7 | 837.6 | 834.1 | 823.6 | 820.0 | 809.6 | 806.1 | 802.6 |
| 50° | 774.6 | 767.5 | 760.5 | 757.0 | 750.0 | 746.4 | 739.5 | 732.5 | 725.5 | 722.0 | 718.4 |
| 52.5° | 690.4 | 683.4 | 676.4 | 672.8 | 669.3 | 662.4 | 655.4 | 648.4 | 644.8 | 641.3 | 637.8 |
| 55° | 609.8 | 602.8 | 599.2 | 595.8 | 592.3 | 588.8 | 578.3 | 574.7 | 571.2 | 567.7 | 560.7 |
| 57.5° | 536.2 | 529.2 | 522.2 | 522.2 | 518.7 | 515.2 | 508.2 | 501.1 | 501.1 | 494.1 | 487.2 |
| 60° | 469.6 | 462.6 | 455.6 | 452.0 | 448.6 | 441.6 | 438.1 | 434.6 | 431.1 | 427.5 | 420.5 |
| 62.5° | 399.5 | 396.0 | 389.0 | 389.0 | 382.0 | 378.6 | 375.0 | 371.5 | 368.0 | 361.0 | 357.5 |
| 65° | 340.0 | 336.5 | 329.4 | 325.9 | 325.9 | 322.4 | 315.4 | 311.9 | 308.4 | 308.4 | 305.0 |
| 67.5° | 283.9 | 280.3 | 273.3 | 269.9 | 269.9 | 266.4 | 262.9 | 262.9 | 259.4 | 255.8 | 259.4 |
| 70° | 234.8 | 227.8 | 227.8 | 224.3 | 224.3 | 220.8 | 217.3 | 217.3 | 217.3 | 220.8 | 220.8 |
| 72.5° | 185.8 | 182.2 | 178.7 | 178.7 | 178.7 | 178.7 | 175.2 | 175.2 | 178.7 | 182.2 | 182.2 |
| 75° | 147.2 | 143.7 | 143.7 | 143.7 | 140.2 | 140.2 | 143.7 | 143.7 | 147.2 | 147.2 | 147.2 |
| 77.5° | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 108.6 | 112.2 | 112.2 | 115.7 | 115.7 | 115.7 |
| 80° | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 87.7 |
| 82.5° | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 59.5 | 59.5 | 59.5 | 59.5 |
| 85° | 31.5 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 87.5° | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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



TEST NUMBER: P585032

CATALOG NUMBER: HCC8W55D010BZ-HM82555935-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 | 2582.9 |
| 2.5° | 2530.3 | 2530.3 | 2530.3 | 2533.9 | 2526.8 | 2526.8 | 2526.8 | 2526.8 |
| 5° | 2470.8 | 2467.3 | 2463.8 | 2467.3 | 2460.3 | 2460.3 | 2456.7 | 2456.7 |
| 7.5° | 2397.2 | 2393.7 | 2390.2 | 2390.2 | 2383.1 | 2383.1 | 2379.6 | 2376.1 |
| 10° | 2316.6 | 2309.5 | 2313.1 | 2306.0 | 2302.5 | 2299.0 | 2295.5 | 2292.1 |
| 12.5° | 2228.9 | 2221.9 | 2218.5 | 2211.4 | 2204.4 | 2200.9 | 2204.4 | 2197.4 |
| 15° | 2134.3 | 2123.8 | 2120.3 | 2113.2 | 2106.3 | 2102.8 | 2102.8 | 2099.3 |
| 17.5° | 2029.2 | 2022.2 | 2018.7 | 2011.6 | 2008.1 | 2001.2 | 1997.7 | 1994.2 |
| 20° | 1931.1 | 1913.5 | 1917.0 | 1910.0 | 1906.5 | 1892.5 | 1892.5 | 1895.9 |
| 22.5° | 1822.5 | 1811.9 | 1804.9 | 1797.8 | 1794.3 | 1787.4 | 1787.4 | 1783.9 |
| 25° | 1713.8 | 1703.3 | 1699.8 | 1692.7 | 1689.2 | 1682.2 | 1678.8 | 1678.8 |
| 27.5° | 1608.6 | 1594.6 | 1594.6 | 1587.6 | 1580.6 | 1577.0 | 1573.5 | 1570.1 |
| 30° | 1496.5 | 1486.0 | 1482.5 | 1482.5 | 1478.9 | 1478.9 | 1468.4 | 1471.9 |
| 32.5° | 1391.3 | 1384.4 | 1380.9 | 1373.8 | 1373.8 | 1370.3 | 1370.3 | 1359.8 |
| 35° | 1286.2 | 1275.7 | 1279.2 | 1272.2 | 1268.7 | 1265.2 | 1268.7 | 1265.2 |
| 37.5° | 1184.5 | 1177.5 | 1177.5 | 1170.6 | 1170.6 | 1167.1 | 1163.6 | 1170.6 |
| 40° | 1082.9 | 1079.4 | 1075.9 | 1072.4 | 1075.9 | 1072.4 | 1065.3 | 1068.9 |
| 42.5° | 981.3 | 981.3 | 977.8 | 977.8 | 974.3 | 974.3 | 974.3 | 974.3 |
| 45° | 890.1 | 886.6 | 886.6 | 883.2 | 883.2 | 883.2 | 883.2 | 879.7 |
| 47.5° | 799.1 | 795.6 | 795.6 | 795.6 | 792.0 | 792.0 | 788.5 | 792.0 |
| 50° | 711.4 | 711.4 | 707.9 | 707.9 | 711.4 | 707.9 | 704.4 | 704.4 |
| 52.5° | 630.9 | 630.9 | 627.4 | 627.4 | 623.9 | 620.3 | 623.9 | 623.9 |
| 55° | 557.3 | 553.8 | 550.3 | 550.3 | 546.7 | 543.2 | 543.2 | 546.7 |
| 57.5° | 487.2 | 483.7 | 480.2 | 480.2 | 473.1 | 469.6 | 469.6 | 469.6 |
| 60° | 420.5 | 413.6 | 413.6 | 410.1 | 410.1 | 406.6 | 406.6 | 406.6 |
| 62.5° | 357.5 | 353.9 | 353.9 | 353.9 | 353.9 | 350.4 | 350.4 | 350.4 |
| 65° | 305.0 | 305.0 | 305.0 | 308.4 | 308.4 | 311.9 | 311.9 | 311.9 |
| 67.5° | 262.9 | 266.4 | 266.4 | 266.4 | 269.9 | 269.9 | 269.9 | 266.4 |
| 70° | 224.3 | 224.3 | 224.3 | 227.8 | 227.8 | 227.8 | 227.8 | 227.8 |
| 72.5° | 185.8 | 185.8 | 185.8 | 185.8 | 185.8 | 185.8 | 185.8 | 185.8 |
| 75° | 147.2 | 150.7 | 150.7 | 150.7 | 147.2 | 150.7 | 150.7 | 147.2 |
| 77.5° | 115.7 | 115.7 | 115.7 | 115.7 | 115.7 | 115.7 | 115.7 | 115.7 |
| 80° | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 82.5° | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 85° | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| 87.5° | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



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

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(END OF REPORT)