

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: P584878

Luminaire Tested: **HCC8S50D010MW-HM82555930-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S50D010MW-HM82555930-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

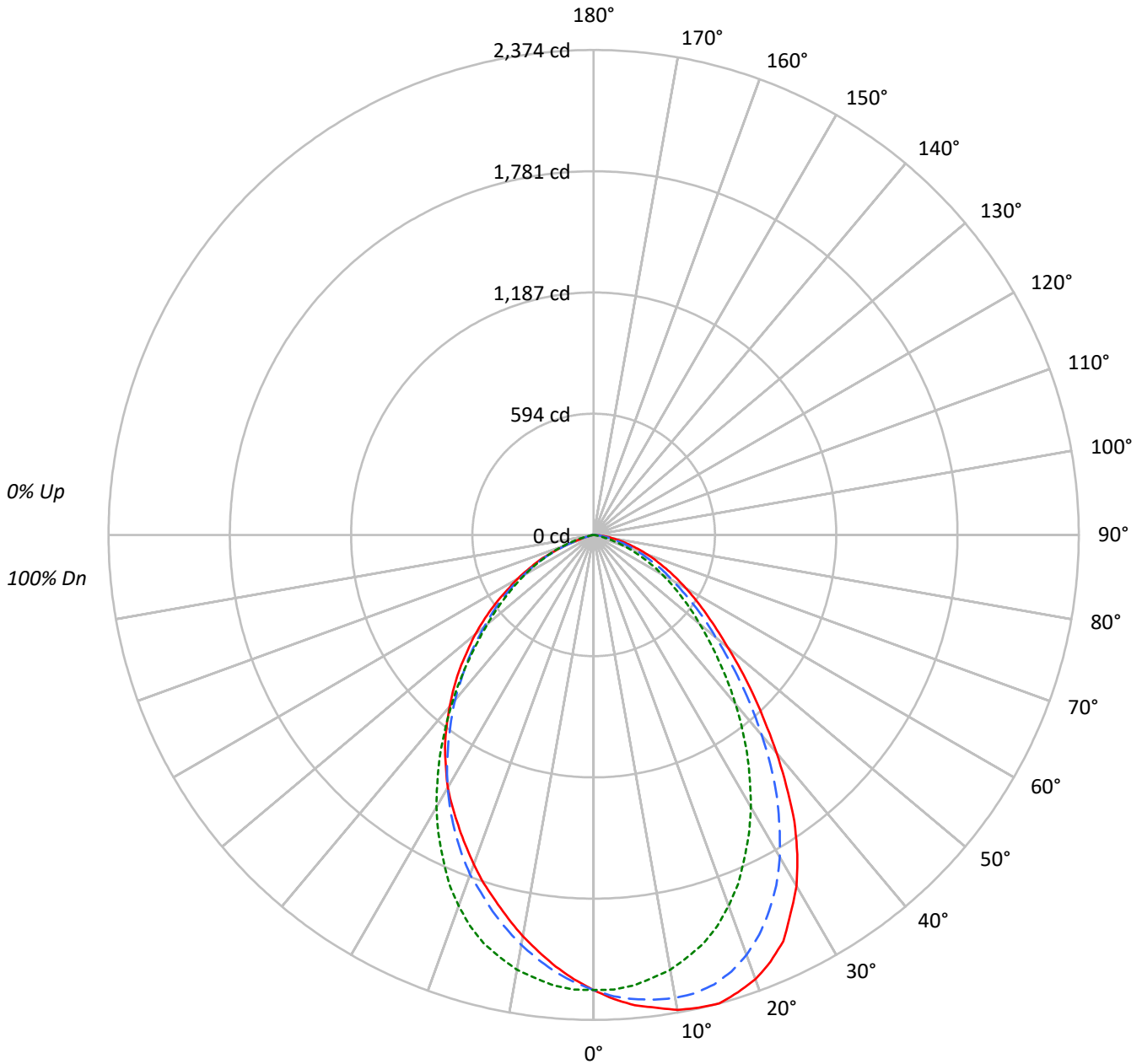
Lumens per Lamp: N/A
Luminaire Lumens: 4149.8 lumens
Efficiency: N/A
Efficacy: 86.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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: P584878
CATALOG NUMBER: HCC8S50D010MW-HM82555930-81WWBB

Luminous Intensity Polar Plot



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CATALOG NUMBER: HCC8S50D010MW-HM82555930-81WWBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|--|--|--|---|
| RF | 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 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 71 | 77 | 73 | 69 | 67 | | | | | | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 59 | | | | | | | | |
| 5 | 82 | 70 | 63 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | | | | | | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 58 | 53 | 49 | 47 | | | | | | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | | | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | | | | | | |
| 9 | 62 | 50 | 43 | 37 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | |
| 10 | 59 | 47 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 68700 | 68700 | 68700 |
| 5° | 71538 | 68551 | 65663 |
| 10° | 73928 | 67672 | 62461 |
| 15° | 75801 | 66128 | 59216 |
| 20° | 75951 | 63383 | 56278 |
| 25° | 74669 | 59372 | 53363 |
| 30° | 70669 | 54781 | 50868 |
| 35° | 64432 | 49265 | 47763 |
| 40° | 56033 | 43434 | 44102 |
| 45° | 48070 | 37613 | 40369 |
| 50° | 41055 | 32430 | 36267 |
| 55° | 35988 | 27929 | 31510 |
| 60° | 32039 | 23830 | 26495 |
| 65° | 28427 | 19438 | 21138 |
| 70° | 25218 | 14407 | 12000 |
| 75° | 21029 | 7530 | 3562 |
| 80° | 16568 | 2362 | 586 |
| 85° | 11782 | 1168 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 209.9 | 5.1 |
| 10°-20° | 588.4 | 14.2 |
| 20°-30° | 832.8 | 20.1 |
| 30°-40° | 871.3 | 21.0 |
| 40°-50° | 726.7 | 17.5 |
| 50°-60° | 515.3 | 12.4 |
| 60°-70° | 296.8 | 7.2 |
| 70°-80° | 95.5 | 2.3 |
| 80°-90° | 13.1 | 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° | 1631.1 | 39.3 |
| 0°-40° | 2502.4 | 60.3 |
| 0°-60° | 3744.4 | 90.2 |
| 0°-90° | 4149.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4149.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2228 | 2228 | 2228 | 2228 | 2228 | |
| 5° | 2311 | 2281 | 2215 | 2148 | 2121 | 222 |
| 15° | 2374 | 2278 | 2071 | 1908 | 1855 | 668 |
| 25° | 2195 | 2031 | 1745 | 1605 | 1568 | 1001 |
| 35° | 1712 | 1562 | 1309 | 1239 | 1269 | 1061 |
| 45° | 1102 | 1012 | 862 | 872 | 926 | 854 |
| 55° | 669 | 600 | 520 | 546 | 586 | 605 |
| 65° | 390 | 326 | 266 | 266 | 290 | 389 |
| 75° | 176 | 130 | 63 | 30 | 30 | 191 |
| 85° | 33 | 17 | 3 | 0 | 0 | 42 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584878

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 |
| 2.5° | 2274.5 | 2271.1 | 2267.9 | 2271.1 | 2267.9 | 2271.1 | 2267.9 | 2267.9 | 2264.5 | 2261.2 | 2261.2 |
| 5° | 2311.1 | 2307.8 | 2307.8 | 2307.8 | 2304.4 | 2301.2 | 2301.2 | 2297.8 | 2291.1 | 2287.8 | 2281.2 |
| 7.5° | 2334.4 | 2337.8 | 2337.8 | 2337.8 | 2331.1 | 2331.1 | 2324.4 | 2317.8 | 2311.1 | 2304.4 | 2294.5 |
| 10° | 2361.0 | 2361.0 | 2357.8 | 2354.4 | 2347.7 | 2344.4 | 2341.0 | 2334.4 | 2324.4 | 2311.1 | 2301.2 |
| 12.5° | 2371.1 | 2371.1 | 2367.7 | 2361.0 | 2357.8 | 2354.4 | 2351.1 | 2341.0 | 2327.8 | 2311.1 | 2297.8 |
| 15° | 2374.4 | 2367.7 | 2364.4 | 2361.0 | 2354.4 | 2344.4 | 2344.4 | 2331.1 | 2314.5 | 2294.5 | 2277.8 |
| 17.5° | 2347.7 | 2351.1 | 2344.4 | 2337.8 | 2327.8 | 2321.2 | 2311.1 | 2301.2 | 2281.2 | 2257.8 | 2241.2 |
| 20° | 2314.5 | 2311.1 | 2307.8 | 2297.8 | 2284.5 | 2281.2 | 2271.1 | 2254.5 | 2237.8 | 2211.2 | 2187.9 |
| 22.5° | 2261.2 | 2257.8 | 2251.1 | 2244.5 | 2231.2 | 2224.5 | 2214.6 | 2194.6 | 2171.3 | 2144.6 | 2118.0 |
| 25° | 2194.6 | 2187.9 | 2178.0 | 2164.6 | 2154.6 | 2147.9 | 2134.6 | 2114.6 | 2088.0 | 2058.0 | 2031.4 |
| 27.5° | 2088.0 | 2098.0 | 2091.3 | 2071.4 | 2061.4 | 2048.1 | 2044.7 | 2018.0 | 1994.8 | 1964.7 | 1934.8 |
| 30° | 1984.7 | 1984.7 | 1974.8 | 1964.7 | 1948.1 | 1938.2 | 1924.9 | 1904.9 | 1881.5 | 1844.9 | 1821.5 |
| 32.5° | 1854.9 | 1851.6 | 1838.3 | 1834.9 | 1821.5 | 1801.7 | 1798.3 | 1771.6 | 1748.4 | 1721.7 | 1691.7 |
| 35° | 1711.6 | 1705.0 | 1691.7 | 1681.7 | 1675.1 | 1665.1 | 1655.1 | 1631.8 | 1608.4 | 1581.8 | 1561.8 |
| 37.5° | 1548.6 | 1548.6 | 1545.2 | 1528.6 | 1521.9 | 1515.3 | 1505.2 | 1481.9 | 1468.6 | 1442.0 | 1422.0 |
| 40° | 1392.0 | 1388.7 | 1378.7 | 1375.3 | 1368.7 | 1358.7 | 1352.1 | 1338.7 | 1318.7 | 1298.8 | 1278.8 |
| 42.5° | 1238.8 | 1242.2 | 1228.9 | 1232.1 | 1218.8 | 1212.1 | 1208.9 | 1188.9 | 1178.8 | 1158.9 | 1142.2 |
| 45° | 1102.3 | 1099.0 | 1092.3 | 1088.9 | 1082.3 | 1075.6 | 1068.9 | 1059.0 | 1042.3 | 1022.4 | 1012.4 |
| 47.5° | 975.8 | 965.7 | 965.7 | 962.4 | 959.0 | 945.7 | 942.4 | 932.4 | 922.5 | 902.5 | 889.1 |
| 50° | 855.8 | 855.8 | 855.8 | 852.6 | 842.5 | 839.2 | 832.6 | 822.5 | 812.6 | 799.2 | 779.3 |
| 52.5° | 759.3 | 759.3 | 759.3 | 756.0 | 742.7 | 739.3 | 736.0 | 722.7 | 709.3 | 699.3 | 686.0 |
| 55° | 669.4 | 672.6 | 669.4 | 662.7 | 652.7 | 652.7 | 642.7 | 636.1 | 622.7 | 612.8 | 599.5 |
| 57.5° | 592.8 | 592.8 | 586.1 | 582.7 | 576.1 | 572.8 | 566.1 | 559.5 | 542.8 | 532.8 | 516.2 |
| 60° | 519.5 | 516.2 | 516.2 | 509.6 | 502.9 | 496.2 | 492.9 | 482.9 | 476.3 | 459.5 | 446.2 |
| 62.5° | 452.9 | 452.9 | 446.2 | 446.2 | 432.9 | 432.9 | 429.6 | 419.6 | 409.6 | 392.9 | 386.4 |
| 65° | 389.6 | 389.6 | 386.4 | 383.0 | 373.0 | 369.6 | 366.4 | 356.3 | 346.4 | 336.3 | 326.4 |
| 67.5° | 333.0 | 333.0 | 326.4 | 323.0 | 316.3 | 313.1 | 306.4 | 299.7 | 289.7 | 279.7 | 269.7 |
| 70° | 279.7 | 276.4 | 273.1 | 269.7 | 263.0 | 259.8 | 253.1 | 246.4 | 236.5 | 229.8 | 219.8 |
| 72.5° | 226.4 | 226.4 | 223.2 | 216.5 | 213.1 | 209.8 | 206.4 | 199.8 | 189.8 | 179.8 | 173.1 |
| 75° | 176.5 | 176.5 | 176.5 | 169.9 | 163.2 | 159.8 | 159.8 | 153.1 | 146.5 | 136.5 | 129.9 |
| 77.5° | 136.5 | 133.1 | 129.9 | 129.9 | 123.2 | 119.9 | 116.5 | 113.3 | 103.2 | 99.9 | 93.3 |
| 80° | 93.3 | 96.6 | 93.3 | 89.9 | 86.6 | 83.2 | 83.2 | 76.6 | 73.3 | 66.6 | 60.0 |
| 82.5° | 63.2 | 60.0 | 60.0 | 56.6 | 56.6 | 53.3 | 53.3 | 46.6 | 43.3 | 40.0 | 36.6 |
| 85° | 33.3 | 33.3 | 29.9 | 29.9 | 29.9 | 26.7 | 26.7 | 23.3 | 23.3 | 20.0 | 16.6 |
| 87.5° | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 6.7 | 6.7 | 6.7 |
| 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° | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 |
| 2.5° | 2257.8 | 2251.1 | 2247.9 | 2247.9 | 2244.5 | 2241.2 | 2237.8 | 2234.5 | 2227.9 | 2227.9 | 2221.2 |
| 5° | 2274.5 | 2267.9 | 2264.5 | 2254.5 | 2247.9 | 2247.9 | 2234.5 | 2231.2 | 2221.2 | 2214.6 | 2207.9 |
| 7.5° | 2287.8 | 2274.5 | 2264.5 | 2254.5 | 2247.9 | 2241.2 | 2227.9 | 2214.6 | 2201.2 | 2187.9 | 2181.2 |
| 10° | 2287.8 | 2274.5 | 2257.8 | 2241.2 | 2234.5 | 2227.9 | 2211.2 | 2191.3 | 2174.6 | 2161.2 | 2144.6 |
| 12.5° | 2281.2 | 2261.2 | 2241.2 | 2227.9 | 2214.6 | 2204.5 | 2184.6 | 2164.6 | 2144.6 | 2118.0 | 2104.7 |
| 15° | 2261.2 | 2234.5 | 2214.6 | 2191.3 | 2181.2 | 2164.6 | 2147.9 | 2118.0 | 2094.6 | 2071.4 | 2054.8 |
| 17.5° | 2221.2 | 2187.9 | 2164.6 | 2141.3 | 2124.7 | 2114.6 | 2088.0 | 2061.4 | 2034.8 | 2008.1 | 1988.1 |
| 20° | 2161.2 | 2131.3 | 2104.7 | 2074.6 | 2061.4 | 2048.1 | 2014.8 | 1988.1 | 1961.5 | 1931.5 | 1911.5 |
| 22.5° | 2088.0 | 2058.0 | 2021.4 | 1998.1 | 1978.1 | 1961.5 | 1931.5 | 1901.5 | 1874.8 | 1848.2 | 1821.5 |
| 25° | 1998.1 | 1968.1 | 1934.8 | 1898.2 | 1884.9 | 1868.2 | 1834.9 | 1804.9 | 1775.0 | 1745.0 | 1721.7 |
| 27.5° | 1901.5 | 1861.5 | 1834.9 | 1795.0 | 1781.7 | 1765.0 | 1728.4 | 1695.0 | 1668.4 | 1645.1 | 1618.5 |
| 30° | 1784.9 | 1755.0 | 1718.3 | 1681.7 | 1668.4 | 1651.8 | 1621.8 | 1591.8 | 1565.2 | 1538.5 | 1511.9 |
| 32.5° | 1658.5 | 1628.4 | 1591.8 | 1565.2 | 1545.2 | 1531.9 | 1501.9 | 1475.3 | 1448.6 | 1422.0 | 1398.7 |
| 35° | 1525.2 | 1491.9 | 1465.2 | 1438.6 | 1422.0 | 1405.4 | 1375.3 | 1352.1 | 1332.1 | 1308.7 | 1285.4 |
| 37.5° | 1388.7 | 1365.4 | 1338.7 | 1308.7 | 1292.1 | 1278.8 | 1255.5 | 1228.9 | 1212.1 | 1192.1 | 1175.5 |
| 40° | 1255.5 | 1228.9 | 1205.5 | 1178.8 | 1165.5 | 1155.6 | 1132.3 | 1112.3 | 1095.6 | 1079.0 | 1068.9 |
| 42.5° | 1119.0 | 1095.6 | 1072.3 | 1055.6 | 1045.7 | 1035.6 | 1019.0 | 995.8 | 985.7 | 969.1 | 959.0 |
| 45° | 992.4 | 972.4 | 955.8 | 932.4 | 925.7 | 919.1 | 899.2 | 882.5 | 872.5 | 862.5 | 855.8 |
| 47.5° | 872.5 | 859.2 | 839.2 | 825.9 | 815.8 | 809.2 | 795.9 | 782.5 | 772.6 | 765.9 | 759.3 |
| 50° | 769.3 | 752.6 | 739.3 | 725.9 | 719.3 | 709.3 | 696.0 | 689.4 | 682.7 | 676.0 | 676.0 |
| 52.5° | 672.6 | 656.0 | 642.7 | 632.8 | 626.1 | 619.5 | 609.4 | 606.1 | 599.5 | 599.5 | 596.1 |
| 55° | 582.7 | 572.8 | 559.5 | 546.2 | 542.8 | 539.5 | 532.8 | 526.2 | 522.8 | 519.5 | 522.8 |
| 57.5° | 506.2 | 496.2 | 482.9 | 472.9 | 469.6 | 466.2 | 462.9 | 456.3 | 452.9 | 452.9 | 452.9 |
| 60° | 436.3 | 426.2 | 416.3 | 406.2 | 406.2 | 399.6 | 396.3 | 392.9 | 389.6 | 386.4 | 386.4 |
| 62.5° | 373.0 | 363.0 | 353.0 | 346.4 | 343.0 | 339.7 | 333.0 | 329.7 | 326.4 | 326.4 | 323.0 |
| 65° | 316.3 | 303.0 | 299.7 | 289.7 | 286.4 | 283.0 | 279.7 | 273.1 | 269.7 | 266.4 | 263.0 |
| 67.5° | 259.8 | 253.1 | 243.2 | 236.5 | 233.1 | 229.8 | 226.4 | 219.8 | 216.5 | 213.1 | 206.4 |
| 70° | 209.8 | 203.2 | 196.5 | 189.8 | 186.5 | 183.2 | 176.5 | 169.9 | 166.5 | 159.8 | 149.9 |
| 72.5° | 163.2 | 156.5 | 149.9 | 143.2 | 139.8 | 136.5 | 129.9 | 123.2 | 116.5 | 109.9 | 103.2 |
| 75° | 123.2 | 116.5 | 106.6 | 99.9 | 96.6 | 96.6 | 86.6 | 80.0 | 73.3 | 63.2 | 56.6 |
| 77.5° | 86.6 | 76.6 | 73.3 | 66.6 | 63.2 | 56.6 | 49.9 | 43.3 | 36.6 | 33.3 | 26.7 |
| 80° | 56.6 | 49.9 | 43.3 | 40.0 | 36.6 | 33.3 | 29.9 | 23.3 | 16.6 | 13.3 | 9.9 |
| 82.5° | 33.3 | 29.9 | 26.7 | 23.3 | 20.0 | 16.6 | 13.3 | 13.3 | 9.9 | 6.7 | 3.3 |
| 85° | 16.6 | 13.3 | 9.9 | 9.9 | 6.7 | 6.7 | 6.7 | 3.3 | 3.3 | 3.3 | 3.3 |
| 87.5° | 6.7 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 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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CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 |
| 2.5° | 2217.8 | 2214.6 | 2211.2 | 2207.9 | 2207.9 | 2201.2 | 2201.2 | 2198.0 | 2191.3 | 2187.9 | 2187.9 |
| 5° | 2198.0 | 2187.9 | 2181.2 | 2178.0 | 2174.6 | 2164.6 | 2161.2 | 2154.6 | 2147.9 | 2141.3 | 2138.0 |
| 7.5° | 2167.9 | 2151.3 | 2144.6 | 2141.3 | 2131.3 | 2121.3 | 2114.6 | 2104.7 | 2094.6 | 2084.7 | 2081.3 |
| 10° | 2131.3 | 2114.6 | 2098.0 | 2091.3 | 2081.3 | 2074.6 | 2061.4 | 2048.1 | 2038.0 | 2028.1 | 2018.0 |
| 12.5° | 2084.7 | 2064.7 | 2048.1 | 2041.4 | 2031.4 | 2018.0 | 1998.1 | 1991.4 | 1974.8 | 1968.1 | 1954.8 |
| 15° | 2031.4 | 2008.1 | 1991.4 | 1981.5 | 1971.4 | 1951.4 | 1938.2 | 1924.9 | 1908.2 | 1901.5 | 1888.2 |
| 17.5° | 1964.7 | 1938.2 | 1921.5 | 1911.5 | 1904.9 | 1888.2 | 1868.2 | 1851.6 | 1834.9 | 1828.2 | 1818.3 |
| 20° | 1884.9 | 1868.2 | 1844.9 | 1834.9 | 1828.2 | 1808.3 | 1788.3 | 1781.7 | 1768.3 | 1755.0 | 1745.0 |
| 22.5° | 1795.0 | 1778.3 | 1755.0 | 1745.0 | 1741.7 | 1725.0 | 1708.4 | 1698.3 | 1688.4 | 1678.5 | 1668.4 |
| 25° | 1701.7 | 1681.7 | 1661.7 | 1655.1 | 1648.4 | 1635.1 | 1621.8 | 1615.1 | 1605.2 | 1598.5 | 1591.8 |
| 27.5° | 1601.8 | 1581.8 | 1565.2 | 1555.1 | 1548.6 | 1538.5 | 1531.9 | 1525.2 | 1518.5 | 1511.9 | 1508.6 |
| 30° | 1495.3 | 1475.3 | 1462.0 | 1455.3 | 1448.6 | 1445.2 | 1435.3 | 1431.9 | 1428.6 | 1422.0 | 1425.2 |
| 32.5° | 1388.7 | 1372.1 | 1358.7 | 1348.7 | 1348.7 | 1342.0 | 1338.7 | 1338.7 | 1335.3 | 1335.3 | 1335.3 |
| 35° | 1272.1 | 1262.2 | 1252.1 | 1248.8 | 1245.5 | 1242.2 | 1238.8 | 1242.2 | 1238.8 | 1242.2 | 1245.5 |
| 37.5° | 1165.5 | 1155.6 | 1148.9 | 1145.6 | 1142.2 | 1145.6 | 1142.2 | 1142.2 | 1145.6 | 1152.3 | 1155.6 |
| 40° | 1055.6 | 1048.9 | 1042.3 | 1045.7 | 1042.3 | 1042.3 | 1042.3 | 1052.3 | 1055.6 | 1059.0 | 1062.3 |
| 42.5° | 952.4 | 945.7 | 942.4 | 942.4 | 945.7 | 942.4 | 949.1 | 952.4 | 959.0 | 969.1 | 975.8 |
| 45° | 852.6 | 849.2 | 849.2 | 852.6 | 849.2 | 855.8 | 855.8 | 862.5 | 872.5 | 879.2 | 885.9 |
| 47.5° | 759.3 | 759.3 | 759.3 | 762.7 | 762.7 | 765.9 | 772.6 | 776.0 | 782.5 | 789.2 | 795.9 |
| 50° | 672.6 | 676.0 | 679.3 | 679.3 | 679.3 | 686.0 | 692.6 | 696.0 | 699.3 | 702.7 | 712.6 |
| 52.5° | 596.1 | 599.5 | 599.5 | 602.7 | 606.1 | 609.4 | 612.8 | 619.5 | 622.7 | 629.4 | 632.8 |
| 55° | 522.8 | 522.8 | 529.4 | 532.8 | 532.8 | 532.8 | 539.5 | 539.5 | 546.2 | 549.4 | 556.1 |
| 57.5° | 452.9 | 456.3 | 456.3 | 459.5 | 459.5 | 462.9 | 466.2 | 469.6 | 472.9 | 476.3 | 479.5 |
| 60° | 386.4 | 386.4 | 386.4 | 389.6 | 392.9 | 396.3 | 392.9 | 399.6 | 399.6 | 406.2 | 409.6 |
| 62.5° | 323.0 | 326.4 | 326.4 | 326.4 | 326.4 | 326.4 | 326.4 | 329.7 | 333.0 | 336.3 | 339.7 |
| 65° | 263.0 | 263.0 | 263.0 | 259.8 | 263.0 | 259.8 | 263.0 | 266.4 | 266.4 | 269.7 | 273.1 |
| 67.5° | 203.2 | 203.2 | 196.5 | 196.5 | 199.8 | 199.8 | 199.8 | 199.8 | 196.5 | 203.2 | 203.2 |
| 70° | 146.5 | 143.2 | 139.8 | 136.5 | 136.5 | 133.1 | 133.1 | 129.9 | 129.9 | 129.9 | 129.9 |
| 72.5° | 96.6 | 89.9 | 83.2 | 80.0 | 76.6 | 76.6 | 69.9 | 66.6 | 69.9 | 69.9 | 69.9 |
| 75° | 49.9 | 43.3 | 40.0 | 36.6 | 33.3 | 33.3 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| 77.5° | 20.0 | 16.6 | 13.3 | 13.3 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 |
| 80° | 6.7 | 6.7 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 82.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 85° | 3.3 | 0.0 | 0.0 | 3.3 | 0.0 | 3.3 | 3.3 | 3.3 | 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 |

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



TEST NUMBER: P584878

CATALOG NUMBER: HCC8S50D010MW-HM82555930-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 | 2227.9 |
| 2.5° | 2184.6 | 2184.6 | 2181.2 | 2184.6 | 2178.0 | 2181.2 | 2178.0 | 2178.0 |
| 5° | 2134.6 | 2127.9 | 2127.9 | 2127.9 | 2124.7 | 2124.7 | 2121.3 | 2121.3 |
| 7.5° | 2074.6 | 2071.4 | 2068.1 | 2064.7 | 2061.4 | 2058.0 | 2058.0 | 2058.0 |
| 10° | 2014.8 | 2008.1 | 2008.1 | 2004.7 | 1998.1 | 1994.8 | 1994.8 | 1994.8 |
| 12.5° | 1944.7 | 1941.5 | 1938.2 | 1938.2 | 1924.9 | 1928.1 | 1924.9 | 1924.9 |
| 15° | 1878.2 | 1874.8 | 1874.8 | 1864.9 | 1858.2 | 1858.2 | 1858.2 | 1854.9 |
| 17.5° | 1808.3 | 1804.9 | 1801.7 | 1795.0 | 1788.3 | 1788.3 | 1784.9 | 1788.3 |
| 20° | 1735.0 | 1731.6 | 1725.0 | 1725.0 | 1721.7 | 1718.3 | 1711.6 | 1715.0 |
| 22.5° | 1661.7 | 1655.1 | 1651.8 | 1651.8 | 1648.4 | 1648.4 | 1641.7 | 1641.7 |
| 25° | 1585.2 | 1581.8 | 1578.5 | 1581.8 | 1575.1 | 1575.1 | 1568.4 | 1568.4 |
| 27.5° | 1505.2 | 1501.9 | 1501.9 | 1501.9 | 1498.5 | 1501.9 | 1498.5 | 1498.5 |
| 30° | 1425.2 | 1425.2 | 1422.0 | 1422.0 | 1425.2 | 1422.0 | 1425.2 | 1428.6 |
| 32.5° | 1338.7 | 1338.7 | 1342.0 | 1342.0 | 1345.4 | 1345.4 | 1345.4 | 1345.4 |
| 35° | 1248.8 | 1255.5 | 1255.5 | 1258.8 | 1262.2 | 1265.4 | 1265.4 | 1268.8 |
| 37.5° | 1165.5 | 1168.9 | 1172.2 | 1175.5 | 1182.2 | 1182.2 | 1182.2 | 1182.2 |
| 40° | 1075.6 | 1079.0 | 1085.7 | 1082.3 | 1095.6 | 1099.0 | 1095.6 | 1095.6 |
| 42.5° | 982.4 | 989.1 | 992.4 | 999.0 | 1002.4 | 1009.1 | 1012.4 | 1012.4 |
| 45° | 895.8 | 899.2 | 905.9 | 912.4 | 915.8 | 925.7 | 925.7 | 925.7 |
| 47.5° | 805.9 | 812.6 | 815.8 | 822.5 | 825.9 | 835.8 | 839.2 | 835.8 |
| 50° | 719.3 | 725.9 | 732.6 | 732.6 | 742.7 | 745.9 | 752.6 | 756.0 |
| 52.5° | 636.1 | 639.4 | 646.1 | 649.4 | 656.0 | 662.7 | 666.0 | 669.4 |
| 55° | 556.1 | 559.5 | 566.1 | 566.1 | 576.1 | 579.5 | 586.1 | 586.1 |
| 57.5° | 482.9 | 486.2 | 492.9 | 489.6 | 496.2 | 502.9 | 502.9 | 499.5 |
| 60° | 412.9 | 412.9 | 412.9 | 419.6 | 422.9 | 426.2 | 429.6 | 429.6 |
| 62.5° | 339.7 | 346.4 | 349.6 | 349.6 | 353.0 | 356.3 | 356.3 | 353.0 |
| 65° | 273.1 | 279.7 | 283.0 | 283.0 | 286.4 | 286.4 | 286.4 | 289.7 |
| 67.5° | 206.4 | 206.4 | 206.4 | 209.8 | 206.4 | 206.4 | 206.4 | 206.4 |
| 70° | 129.9 | 129.9 | 129.9 | 129.9 | 126.6 | 129.9 | 129.9 | 133.1 |
| 72.5° | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| 75° | 29.9 | 29.9 | 29.9 | 33.3 | 29.9 | 29.9 | 29.9 | 29.9 |
| 77.5° | 13.3 | 9.9 | 13.3 | 13.3 | 9.9 | 9.9 | 9.9 | 9.9 |
| 80° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 82.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 85° | 0.0 | 3.3 | 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 |

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)