

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: P584548

Luminaire Tested: **HCC8W40D010MB-HM82555835-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584548
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: HCC8W40D010MB-HM82555835-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

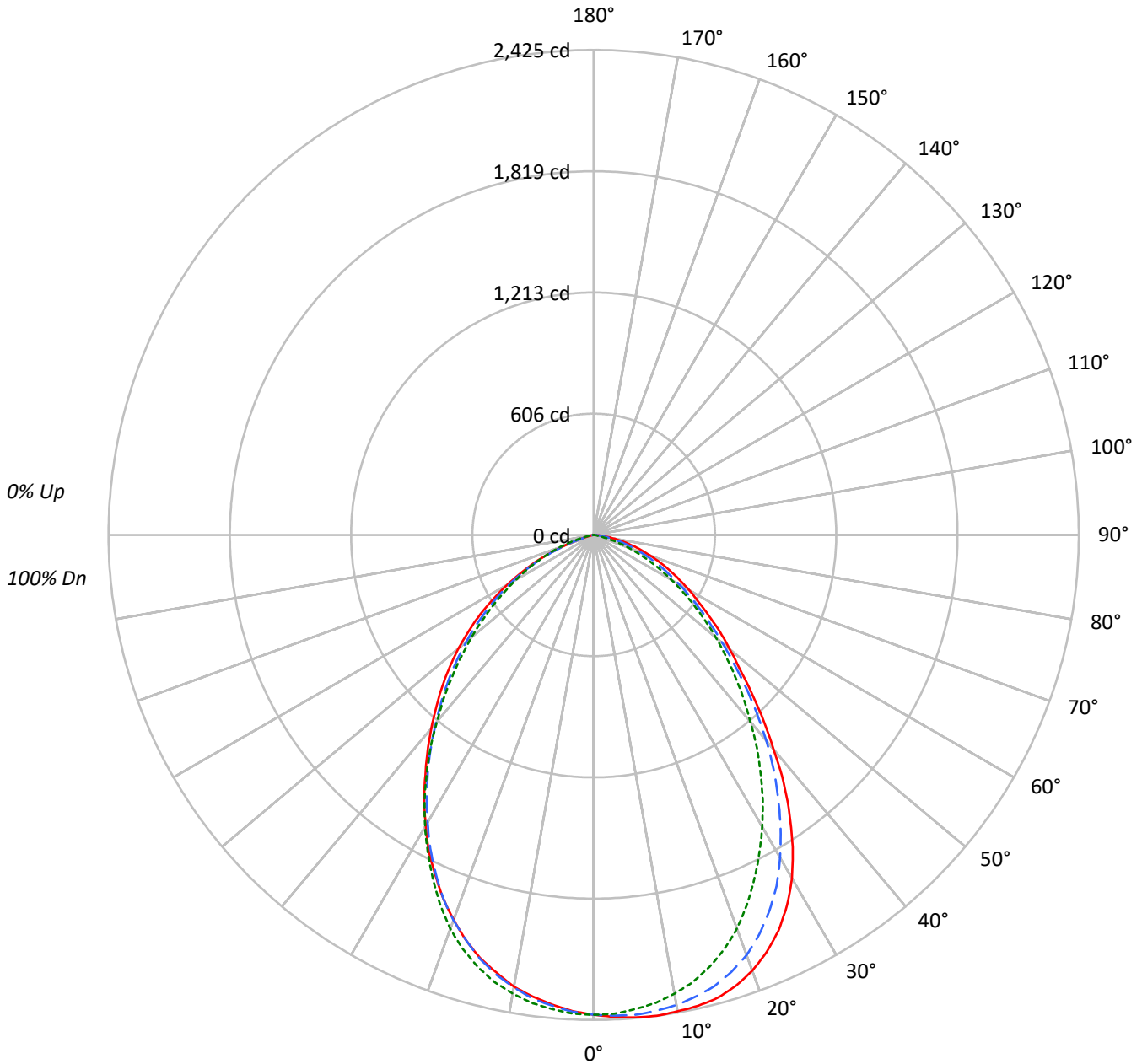
Lumens per Lamp: N/A
Luminaire Lumens: 4560.1 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P584548
CATALOG NUMBER: HCC8W40D010MB-HM82555835-81RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P584548

CATALOG NUMBER: HCC8W40D010MB-HM82555835-81RWWC

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 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | 88 | | | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 91 | 86 | 82 | 87 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | 77 | | | |
| 3 | 95 | 86 | 79 | 73 | 93 | 84 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 70 | 76 | 73 | 69 | 67 | | | | | 67 | | | |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 69 | 65 | 61 | 59 | | | | | 59 | | | |
| 5 | 81 | 70 | 62 | 56 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | | | | 52 | | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 55 | 50 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | | | 47 | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 44 | 54 | 48 | 44 | 42 | | | | | 42 | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 | | | | | 38 | | | |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | 35 | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | 32 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 73989 | 73989 | 73989 |
| 5° | 74965 | 73674 | 72980 |
| 10° | 75731 | 72919 | 71817 |
| 15° | 76497 | 71382 | 69949 |
| 20° | 76109 | 68748 | 67170 |
| 25° | 74332 | 64632 | 63761 |
| 30° | 70605 | 59997 | 59769 |
| 35° | 64274 | 54746 | 55232 |
| 40° | 56352 | 49001 | 50805 |
| 45° | 48615 | 43587 | 46657 |
| 50° | 42571 | 38268 | 42264 |
| 55° | 37714 | 32897 | 37203 |
| 60° | 33982 | 27660 | 30818 |
| 65° | 30616 | 22203 | 23611 |
| 70° | 26858 | 16166 | 12992 |
| 75° | 22899 | 8388 | 3431 |
| 80° | 17616 | 2291 | 568 |
| 85° | 11322 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 226.4 | 5.0 |
| 10°-20° | 636.4 | 14.0 |
| 20°-30° | 903.3 | 19.8 |
| 30°-40° | 950.8 | 20.9 |
| 40°-50° | 808.8 | 17.7 |
| 50°-60° | 584.5 | 12.8 |
| 60°-70° | 332.4 | 7.3 |
| 70°-80° | 104.7 | 2.3 |
| 80°-90° | 12.7 | 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° | 1766.0 | 38.7 |
| 0°-40° | 2716.8 | 59.6 |
| 0°-60° | 4110.2 | 90.1 |
| 0°-90° | 4560.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4560.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2399 | 2399 | 2399 | 2399 | 2399 | |
| 5° | 2422 | 2409 | 2380 | 2364 | 2358 | 231 |
| 15° | 2396 | 2335 | 2236 | 2194 | 2191 | 675 |
| 25° | 2185 | 2076 | 1900 | 1868 | 1874 | 1001 |
| 35° | 1707 | 1608 | 1454 | 1445 | 1467 | 1062 |
| 45° | 1115 | 1073 | 1000 | 1025 | 1070 | 867 |
| 55° | 702 | 650 | 612 | 647 | 692 | 633 |
| 65° | 420 | 362 | 304 | 301 | 324 | 416 |
| 75° | 192 | 147 | 70 | 32 | 29 | 207 |
| 85° | 32 | 19 | 0 | 0 | 0 | 41 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584548

CATALOG NUMBER: HCC8W40D010MB-HM82555835-81RWWC

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 |
| 2.5° | 2412.1 | 2415.3 | 2408.9 | 2408.9 | 2415.3 | 2408.9 | 2412.1 | 2412.1 | 2408.9 | 2408.9 | 2405.7 |
| 5° | 2421.8 | 2418.6 | 2418.6 | 2418.6 | 2421.8 | 2415.3 | 2412.1 | 2415.3 | 2408.9 | 2408.9 | 2408.9 |
| 7.5° | 2425.0 | 2425.0 | 2421.8 | 2418.6 | 2418.6 | 2418.6 | 2415.3 | 2412.1 | 2408.9 | 2402.5 | 2399.4 |
| 10° | 2418.6 | 2418.6 | 2421.8 | 2415.3 | 2415.3 | 2408.9 | 2408.9 | 2402.5 | 2402.5 | 2396.2 | 2386.5 |
| 12.5° | 2412.1 | 2408.9 | 2408.9 | 2402.5 | 2402.5 | 2396.2 | 2396.2 | 2386.5 | 2383.3 | 2373.7 | 2364.1 |
| 15° | 2396.2 | 2393.0 | 2386.5 | 2383.3 | 2380.1 | 2376.9 | 2370.5 | 2367.3 | 2357.7 | 2344.9 | 2335.3 |
| 17.5° | 2364.1 | 2360.8 | 2357.7 | 2351.3 | 2344.9 | 2341.7 | 2338.5 | 2328.8 | 2316.1 | 2306.5 | 2290.4 |
| 20° | 2319.3 | 2316.1 | 2316.1 | 2306.5 | 2303.2 | 2293.6 | 2290.4 | 2277.7 | 2268.0 | 2248.7 | 2236.0 |
| 22.5° | 2258.4 | 2261.6 | 2255.2 | 2248.7 | 2242.3 | 2232.8 | 2226.4 | 2213.5 | 2197.6 | 2178.3 | 2162.2 |
| 25° | 2184.7 | 2187.9 | 2181.5 | 2175.1 | 2165.4 | 2159.1 | 2152.7 | 2133.4 | 2117.5 | 2095.0 | 2075.8 |
| 27.5° | 2091.8 | 2091.8 | 2091.8 | 2085.4 | 2069.4 | 2066.2 | 2059.8 | 2040.6 | 2018.1 | 1999.0 | 1979.7 |
| 30° | 1982.9 | 1979.7 | 1979.7 | 1970.0 | 1963.6 | 1950.9 | 1941.2 | 1925.2 | 1909.2 | 1886.7 | 1864.4 |
| 32.5° | 1851.5 | 1854.7 | 1845.1 | 1838.8 | 1829.1 | 1829.1 | 1816.3 | 1803.6 | 1784.3 | 1761.9 | 1739.4 |
| 35° | 1707.4 | 1710.6 | 1704.2 | 1701.0 | 1685.0 | 1681.8 | 1678.6 | 1662.5 | 1649.7 | 1633.8 | 1608.0 |
| 37.5° | 1560.1 | 1556.9 | 1553.7 | 1553.7 | 1544.0 | 1537.6 | 1531.2 | 1521.7 | 1502.4 | 1489.5 | 1476.8 |
| 40° | 1399.9 | 1399.9 | 1399.9 | 1396.7 | 1393.5 | 1387.1 | 1383.9 | 1377.4 | 1364.7 | 1351.8 | 1342.2 |
| 42.5° | 1255.7 | 1255.7 | 1252.5 | 1249.4 | 1243.0 | 1246.2 | 1239.7 | 1233.3 | 1220.5 | 1210.8 | 1204.5 |
| 45° | 1114.8 | 1114.8 | 1114.8 | 1118.0 | 1111.6 | 1101.9 | 1101.9 | 1095.5 | 1089.2 | 1082.8 | 1073.1 |
| 47.5° | 989.8 | 999.5 | 993.1 | 989.8 | 993.1 | 980.2 | 980.2 | 973.8 | 967.5 | 961.0 | 948.2 |
| 50° | 887.4 | 887.4 | 887.4 | 881.0 | 877.7 | 877.7 | 868.1 | 861.7 | 858.5 | 852.2 | 839.3 |
| 52.5° | 794.4 | 788.0 | 788.0 | 784.8 | 781.6 | 775.2 | 775.2 | 768.9 | 756.0 | 749.6 | 739.9 |
| 55° | 701.5 | 701.5 | 698.3 | 695.1 | 692.0 | 688.8 | 685.6 | 675.9 | 669.5 | 659.9 | 650.3 |
| 57.5° | 618.2 | 624.6 | 621.4 | 615.0 | 608.7 | 608.7 | 602.3 | 595.8 | 586.2 | 576.6 | 567.0 |
| 60° | 551.0 | 547.8 | 547.8 | 544.5 | 538.1 | 535.0 | 531.8 | 522.2 | 512.5 | 502.9 | 493.4 |
| 62.5° | 480.5 | 480.5 | 480.5 | 474.1 | 467.7 | 464.5 | 461.2 | 454.9 | 442.1 | 432.4 | 426.0 |
| 65° | 419.6 | 416.5 | 413.3 | 410.1 | 406.9 | 400.4 | 397.2 | 390.8 | 381.2 | 371.6 | 362.0 |
| 67.5° | 358.8 | 355.6 | 355.6 | 352.4 | 342.7 | 339.5 | 339.5 | 330.0 | 320.3 | 310.7 | 301.1 |
| 70° | 297.9 | 297.9 | 297.9 | 291.6 | 288.3 | 285.1 | 281.9 | 275.5 | 265.8 | 256.3 | 246.7 |
| 72.5° | 246.7 | 243.5 | 243.5 | 240.3 | 230.6 | 227.4 | 224.2 | 217.9 | 208.2 | 201.8 | 195.4 |
| 75° | 192.2 | 192.2 | 189.0 | 185.8 | 182.5 | 179.3 | 176.2 | 169.8 | 160.2 | 150.5 | 147.3 |
| 77.5° | 147.3 | 144.1 | 144.1 | 140.9 | 134.6 | 131.4 | 131.4 | 125.0 | 115.3 | 108.9 | 102.5 |
| 80° | 99.2 | 102.5 | 99.2 | 96.2 | 92.9 | 89.7 | 86.5 | 83.3 | 76.9 | 70.4 | 64.0 |
| 82.5° | 60.8 | 64.0 | 60.8 | 60.8 | 57.7 | 54.5 | 54.5 | 48.1 | 44.9 | 41.6 | 38.4 |
| 85° | 32.0 | 32.0 | 32.0 | 32.0 | 28.8 | 28.8 | 28.8 | 25.6 | 22.4 | 19.3 | 19.3 |
| 87.5° | 9.6 | 12.9 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 6.4 | 6.4 | 6.4 |
| 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: P584548

CATALOG NUMBER: HCC8W40D010MB-HM82555835-81RWWC

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 |
| 2.5° | 2408.9 | 2405.7 | 2402.5 | 2402.5 | 2402.5 | 2402.5 | 2402.5 | 2399.4 | 2396.2 | 2396.2 | 2396.2 |
| 5° | 2402.5 | 2402.5 | 2402.5 | 2399.4 | 2396.2 | 2396.2 | 2389.8 | 2386.5 | 2383.3 | 2380.1 | 2376.9 |
| 7.5° | 2396.2 | 2389.8 | 2386.5 | 2383.3 | 2380.1 | 2380.1 | 2373.7 | 2367.3 | 2367.3 | 2360.8 | 2354.5 |
| 10° | 2376.9 | 2373.7 | 2367.3 | 2360.8 | 2357.7 | 2354.5 | 2348.1 | 2338.5 | 2335.3 | 2328.8 | 2322.4 |
| 12.5° | 2354.5 | 2348.1 | 2341.7 | 2328.8 | 2325.6 | 2322.4 | 2309.7 | 2300.0 | 2293.6 | 2290.4 | 2274.4 |
| 15° | 2325.6 | 2312.9 | 2303.2 | 2287.2 | 2284.0 | 2277.7 | 2268.0 | 2258.4 | 2245.5 | 2236.0 | 2229.6 |
| 17.5° | 2274.4 | 2261.6 | 2245.5 | 2229.6 | 2223.2 | 2223.2 | 2207.1 | 2194.4 | 2178.3 | 2171.9 | 2159.1 |
| 20° | 2213.5 | 2197.6 | 2184.7 | 2165.4 | 2155.9 | 2146.3 | 2136.6 | 2117.5 | 2104.6 | 2095.0 | 2079.0 |
| 22.5° | 2143.1 | 2120.7 | 2104.6 | 2085.4 | 2069.4 | 2059.8 | 2043.7 | 2027.8 | 2011.7 | 2002.2 | 1989.3 |
| 25° | 2053.3 | 2034.2 | 2008.5 | 1989.3 | 1979.7 | 1966.8 | 1947.7 | 1931.6 | 1915.7 | 1899.6 | 1893.2 |
| 27.5° | 1954.1 | 1928.4 | 1906.0 | 1883.7 | 1874.0 | 1864.4 | 1842.0 | 1822.7 | 1809.9 | 1793.9 | 1787.5 |
| 30° | 1845.1 | 1819.5 | 1793.9 | 1774.6 | 1765.0 | 1749.1 | 1736.2 | 1713.8 | 1697.8 | 1685.0 | 1669.0 |
| 32.5° | 1720.3 | 1701.0 | 1678.6 | 1649.7 | 1643.4 | 1630.5 | 1611.3 | 1601.7 | 1582.5 | 1572.8 | 1560.1 |
| 35° | 1585.7 | 1572.8 | 1550.5 | 1528.0 | 1518.4 | 1512.0 | 1495.9 | 1476.8 | 1463.9 | 1454.3 | 1447.9 |
| 37.5° | 1457.5 | 1441.6 | 1419.1 | 1403.1 | 1396.7 | 1387.1 | 1367.9 | 1358.3 | 1345.4 | 1339.0 | 1326.3 |
| 40° | 1319.8 | 1303.8 | 1287.8 | 1278.2 | 1268.5 | 1262.1 | 1249.4 | 1239.7 | 1226.9 | 1217.3 | 1214.0 |
| 42.5° | 1185.2 | 1175.6 | 1162.9 | 1150.0 | 1146.8 | 1137.2 | 1130.7 | 1121.2 | 1111.6 | 1108.4 | 1098.7 |
| 45° | 1063.5 | 1053.9 | 1041.1 | 1028.3 | 1025.1 | 1018.6 | 1015.4 | 1005.9 | 999.5 | 999.5 | 999.5 |
| 47.5° | 941.8 | 932.1 | 919.4 | 913.0 | 916.2 | 903.3 | 903.3 | 900.1 | 893.7 | 893.7 | 896.9 |
| 50° | 832.9 | 820.0 | 816.8 | 810.5 | 804.1 | 797.7 | 800.9 | 791.2 | 791.2 | 797.7 | 794.4 |
| 52.5° | 730.4 | 717.6 | 714.4 | 707.9 | 704.7 | 704.7 | 701.5 | 701.5 | 698.3 | 701.5 | 701.5 |
| 55° | 637.5 | 627.8 | 621.4 | 615.0 | 611.9 | 611.9 | 611.9 | 608.7 | 605.5 | 611.9 | 615.0 |
| 57.5° | 554.2 | 551.0 | 544.5 | 535.0 | 531.8 | 528.6 | 525.4 | 525.4 | 525.4 | 525.4 | 528.6 |
| 60° | 480.5 | 474.1 | 467.7 | 458.0 | 458.0 | 454.9 | 451.7 | 448.5 | 448.5 | 448.5 | 448.5 |
| 62.5° | 416.5 | 406.9 | 397.2 | 390.8 | 387.6 | 384.4 | 381.2 | 374.8 | 374.8 | 374.8 | 374.8 |
| 65° | 352.4 | 342.7 | 336.4 | 330.0 | 323.6 | 323.6 | 317.1 | 313.9 | 307.5 | 304.3 | 297.9 |
| 67.5° | 291.6 | 285.1 | 278.7 | 269.1 | 265.8 | 262.6 | 256.3 | 253.1 | 243.5 | 240.3 | 237.0 |
| 70° | 237.0 | 227.4 | 221.0 | 214.7 | 211.5 | 205.0 | 198.6 | 192.2 | 185.8 | 179.3 | 173.0 |
| 72.5° | 185.8 | 176.2 | 169.8 | 163.4 | 157.0 | 157.0 | 147.3 | 140.9 | 131.4 | 125.0 | 115.3 |
| 75° | 137.8 | 128.2 | 121.7 | 112.1 | 108.9 | 105.7 | 96.2 | 89.7 | 80.1 | 70.4 | 64.0 |
| 77.5° | 92.9 | 86.5 | 80.1 | 70.4 | 64.0 | 64.0 | 54.5 | 48.1 | 41.6 | 32.0 | 28.8 |
| 80° | 57.7 | 51.3 | 44.9 | 38.4 | 38.4 | 32.0 | 28.8 | 22.4 | 16.1 | 12.9 | 9.6 |
| 82.5° | 32.0 | 28.8 | 25.6 | 19.3 | 19.3 | 16.1 | 12.9 | 9.6 | 6.4 | 3.2 | 3.2 |
| 85° | 16.1 | 12.9 | 9.6 | 9.6 | 6.4 | 6.4 | 6.4 | 3.2 | 3.2 | 0.0 | 0.0 |
| 87.5° | 6.4 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 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 |



TEST NUMBER: P584548

CATALOG NUMBER: HCC8W40D010MB-HM82555835-81RWWC

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 |
| 2.5° | 2393.0 | 2393.0 | 2389.8 | 2389.8 | 2389.8 | 2386.5 | 2389.8 | 2386.5 | 2386.5 | 2386.5 | 2389.8 |
| 5° | 2380.1 | 2373.7 | 2373.7 | 2370.5 | 2370.5 | 2367.3 | 2370.5 | 2367.3 | 2364.1 | 2360.8 | 2364.1 |
| 7.5° | 2354.5 | 2348.1 | 2344.9 | 2341.7 | 2341.7 | 2341.7 | 2338.5 | 2335.3 | 2338.5 | 2328.8 | 2335.3 |
| 10° | 2319.3 | 2316.1 | 2309.7 | 2306.5 | 2303.2 | 2306.5 | 2303.2 | 2296.8 | 2296.8 | 2296.8 | 2293.6 |
| 12.5° | 2274.4 | 2268.0 | 2264.8 | 2261.6 | 2255.2 | 2255.2 | 2258.4 | 2252.0 | 2252.0 | 2245.5 | 2245.5 |
| 15° | 2219.9 | 2213.5 | 2207.1 | 2207.1 | 2200.8 | 2200.8 | 2197.6 | 2197.6 | 2194.4 | 2191.1 | 2191.1 |
| 17.5° | 2152.7 | 2143.1 | 2136.6 | 2139.9 | 2136.6 | 2133.4 | 2133.4 | 2127.0 | 2123.8 | 2127.0 | 2127.0 |
| 20° | 2072.6 | 2066.2 | 2059.8 | 2063.0 | 2056.6 | 2053.3 | 2056.6 | 2046.9 | 2050.1 | 2050.1 | 2050.1 |
| 22.5° | 1982.9 | 1979.7 | 1970.0 | 1970.0 | 1963.6 | 1960.5 | 1963.6 | 1963.6 | 1966.8 | 1963.6 | 1963.6 |
| 25° | 1883.7 | 1877.2 | 1870.8 | 1870.8 | 1867.6 | 1864.4 | 1867.6 | 1870.8 | 1867.6 | 1870.8 | 1870.8 |
| 27.5° | 1777.9 | 1768.2 | 1768.2 | 1761.9 | 1761.9 | 1765.0 | 1761.9 | 1765.0 | 1768.2 | 1768.2 | 1774.6 |
| 30° | 1662.5 | 1659.3 | 1656.1 | 1652.9 | 1652.9 | 1656.1 | 1656.1 | 1656.1 | 1659.3 | 1665.8 | 1665.8 |
| 32.5° | 1553.7 | 1547.2 | 1540.8 | 1540.8 | 1547.2 | 1544.0 | 1547.2 | 1547.2 | 1553.7 | 1553.7 | 1560.1 |
| 35° | 1435.1 | 1435.1 | 1428.7 | 1431.9 | 1431.9 | 1431.9 | 1431.9 | 1438.4 | 1444.8 | 1447.9 | 1454.3 |
| 37.5° | 1326.3 | 1316.6 | 1319.8 | 1319.8 | 1323.0 | 1319.8 | 1329.3 | 1329.3 | 1335.8 | 1335.8 | 1342.2 |
| 40° | 1207.7 | 1207.7 | 1210.8 | 1207.7 | 1210.8 | 1210.8 | 1217.3 | 1223.7 | 1226.9 | 1233.3 | 1236.5 |
| 42.5° | 1095.5 | 1101.9 | 1095.5 | 1098.7 | 1101.9 | 1105.2 | 1108.4 | 1111.6 | 1124.4 | 1130.7 | 1140.4 |
| 45° | 993.1 | 996.3 | 999.5 | 1002.7 | 999.5 | 1005.9 | 1009.1 | 1015.4 | 1025.1 | 1028.3 | 1031.5 |
| 47.5° | 893.7 | 896.9 | 900.1 | 903.3 | 903.3 | 909.8 | 913.0 | 919.4 | 925.8 | 929.0 | 932.1 |
| 50° | 797.7 | 804.1 | 807.3 | 807.3 | 810.5 | 816.8 | 823.2 | 823.2 | 829.7 | 839.3 | 842.5 |
| 52.5° | 711.1 | 711.1 | 717.6 | 720.8 | 724.0 | 724.0 | 733.6 | 736.7 | 739.9 | 746.4 | 752.8 |
| 55° | 615.0 | 624.6 | 627.8 | 627.8 | 634.3 | 640.7 | 643.9 | 647.1 | 647.1 | 659.9 | 659.9 |
| 57.5° | 531.8 | 535.0 | 541.3 | 541.3 | 541.3 | 551.0 | 551.0 | 557.4 | 560.6 | 563.8 | 570.2 |
| 60° | 448.5 | 454.9 | 454.9 | 458.0 | 454.9 | 461.2 | 464.5 | 470.9 | 474.1 | 477.3 | 480.5 |
| 62.5° | 371.6 | 371.6 | 374.8 | 374.8 | 374.8 | 374.8 | 381.2 | 381.2 | 387.6 | 390.8 | 394.0 |
| 65° | 297.9 | 297.9 | 297.9 | 297.9 | 297.9 | 297.9 | 297.9 | 297.9 | 301.1 | 301.1 | 307.5 |
| 67.5° | 230.6 | 227.4 | 221.0 | 224.2 | 221.0 | 221.0 | 217.9 | 217.9 | 221.0 | 221.0 | 227.4 |
| 70° | 166.6 | 163.4 | 157.0 | 157.0 | 153.7 | 150.5 | 147.3 | 144.1 | 140.9 | 140.9 | 140.9 |
| 72.5° | 108.9 | 102.5 | 92.9 | 89.7 | 89.7 | 83.3 | 76.9 | 73.7 | 73.7 | 73.7 | 73.7 |
| 75° | 54.5 | 48.1 | 41.6 | 38.4 | 38.4 | 32.0 | 35.2 | 32.0 | 32.0 | 32.0 | 32.0 |
| 77.5° | 22.4 | 16.1 | 12.9 | 12.9 | 12.9 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| 80° | 6.4 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 82.5° | 3.2 | 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 |

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



TEST NUMBER: P584548

CATALOG NUMBER: HCC8W40D010MB-HM82555835-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 | 2399.4 |
| 2.5° | 2386.5 | 2386.5 | 2380.1 | 2383.3 | 2383.3 | 2383.3 | 2383.3 | 2383.3 |
| 5° | 2357.7 | 2360.8 | 2357.7 | 2360.8 | 2360.8 | 2357.7 | 2357.7 | 2357.7 |
| 7.5° | 2328.8 | 2332.0 | 2328.8 | 2332.0 | 2332.0 | 2332.0 | 2328.8 | 2328.8 |
| 10° | 2293.6 | 2293.6 | 2293.6 | 2293.6 | 2293.6 | 2290.4 | 2293.6 | 2293.6 |
| 12.5° | 2245.5 | 2245.5 | 2245.5 | 2248.7 | 2248.7 | 2245.5 | 2245.5 | 2242.3 |
| 15° | 2194.4 | 2187.9 | 2191.1 | 2194.4 | 2191.1 | 2191.1 | 2191.1 | 2191.1 |
| 17.5° | 2123.8 | 2127.0 | 2123.8 | 2123.8 | 2123.8 | 2123.8 | 2127.0 | 2123.8 |
| 20° | 2050.1 | 2050.1 | 2053.3 | 2050.1 | 2050.1 | 2050.1 | 2050.1 | 2046.9 |
| 22.5° | 1966.8 | 1963.6 | 1963.6 | 1966.8 | 1966.8 | 1963.6 | 1966.8 | 1966.8 |
| 25° | 1874.0 | 1877.2 | 1874.0 | 1874.0 | 1877.2 | 1877.2 | 1877.2 | 1874.0 |
| 27.5° | 1774.6 | 1777.9 | 1781.1 | 1777.9 | 1777.9 | 1777.9 | 1781.1 | 1784.3 |
| 30° | 1672.2 | 1678.6 | 1672.2 | 1672.2 | 1678.6 | 1675.4 | 1678.6 | 1678.6 |
| 32.5° | 1563.3 | 1572.8 | 1566.5 | 1572.8 | 1572.8 | 1576.0 | 1572.8 | 1576.0 |
| 35° | 1454.3 | 1463.9 | 1463.9 | 1463.9 | 1467.2 | 1470.4 | 1470.4 | 1467.2 |
| 37.5° | 1351.8 | 1355.1 | 1355.1 | 1361.5 | 1364.7 | 1367.9 | 1367.9 | 1364.7 |
| 40° | 1246.2 | 1252.5 | 1255.7 | 1255.7 | 1255.7 | 1262.1 | 1268.5 | 1262.1 |
| 42.5° | 1143.6 | 1146.8 | 1150.0 | 1150.0 | 1156.4 | 1159.7 | 1162.9 | 1162.9 |
| 45° | 1044.3 | 1050.8 | 1053.9 | 1057.1 | 1060.3 | 1066.7 | 1063.5 | 1069.9 |
| 47.5° | 941.8 | 951.4 | 954.6 | 957.8 | 964.3 | 967.5 | 970.7 | 973.8 |
| 50° | 848.9 | 855.3 | 855.3 | 861.7 | 871.3 | 871.3 | 877.7 | 881.0 |
| 52.5° | 756.0 | 759.2 | 762.4 | 765.6 | 772.1 | 778.4 | 778.4 | 784.8 |
| 55° | 666.3 | 669.5 | 669.5 | 672.7 | 675.9 | 688.8 | 692.0 | 692.0 |
| 57.5° | 573.5 | 573.5 | 579.8 | 583.0 | 586.2 | 592.6 | 592.6 | 592.6 |
| 60° | 483.7 | 486.9 | 486.9 | 490.2 | 493.4 | 499.7 | 502.9 | 499.7 |
| 62.5° | 394.0 | 397.2 | 397.2 | 400.4 | 406.9 | 410.1 | 406.9 | 406.9 |
| 65° | 310.7 | 313.9 | 313.9 | 317.1 | 323.6 | 323.6 | 320.3 | 323.6 |
| 67.5° | 227.4 | 227.4 | 227.4 | 227.4 | 227.4 | 227.4 | 227.4 | 227.4 |
| 70° | 144.1 | 140.9 | 137.8 | 140.9 | 140.9 | 140.9 | 137.8 | 144.1 |
| 72.5° | 70.4 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 70.4 |
| 75° | 32.0 | 32.0 | 28.8 | 28.8 | 28.8 | 32.0 | 32.0 | 28.8 |
| 77.5° | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 |
| 80° | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| 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 |

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

Scaled Data Report



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Scaled Data Report



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

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(END OF REPORT)