

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: P584540

Luminaire Tested: **HCC8S40D010MB-HM82555830-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584540
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S40D010MB-HM82555830-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

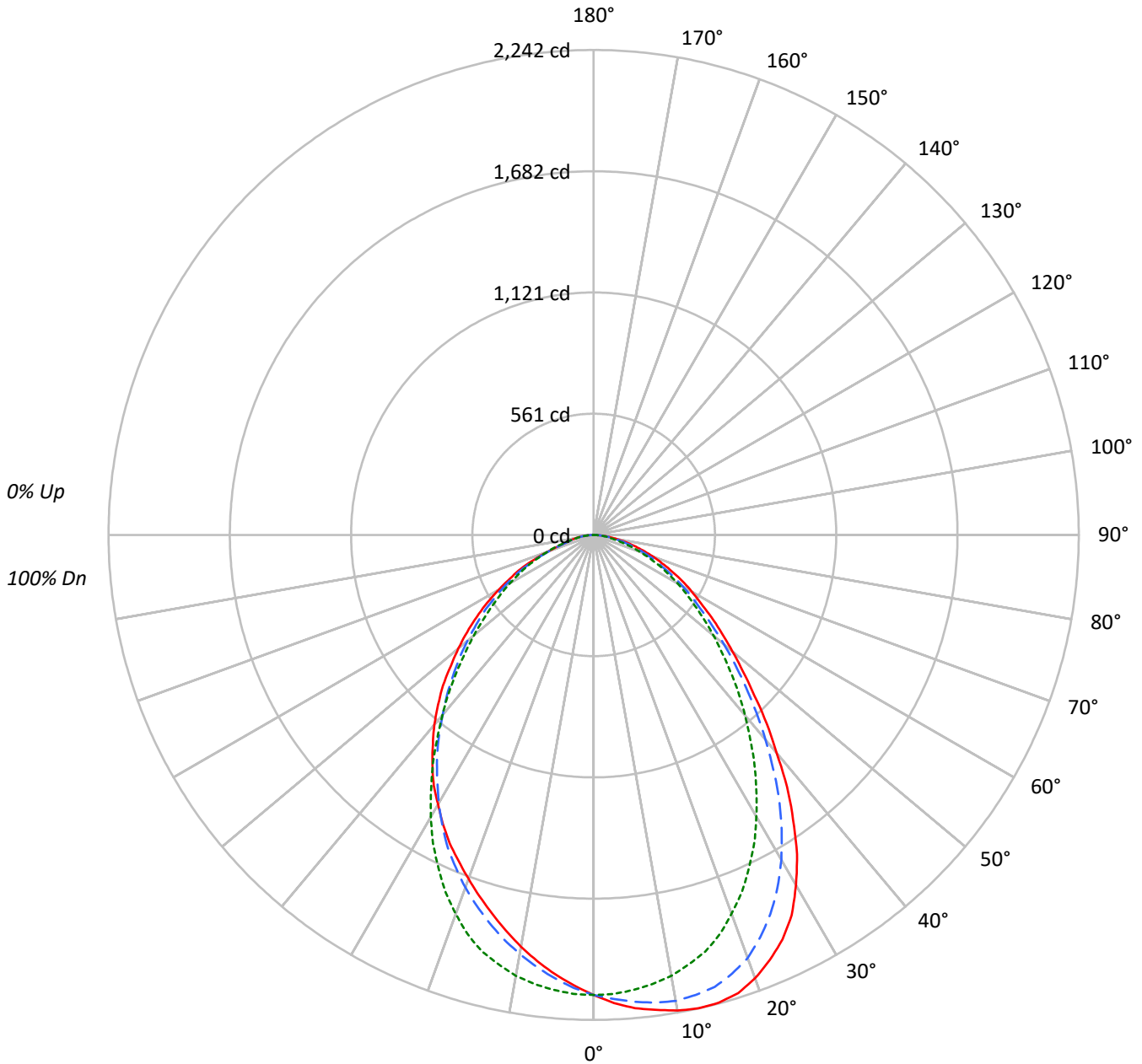
Lumens per Lamp: N/A
Luminaire Lumens: 4277.7 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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: P584540
CATALOG NUMBER: HCC8S40D010MB-HM82555830-81WWWB

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 | 92 | 91 | 89 | 87 | | | | | 87 | | | |
| 2 | 102 | 94 | 88 | 83 | 99 | 93 | 87 | 82 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 | | | | | 75 | | | |
| 3 | 94 | 84 | 77 | 71 | 91 | 83 | 76 | 71 | 80 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 | | | | | 65 | | | |
| 4 | 87 | 76 | 68 | 62 | 84 | 75 | 67 | 61 | 72 | 66 | 61 | 70 | 64 | 60 | 68 | 63 | 59 | 57 | | | | | 57 | | | |
| 5 | 80 | 69 | 60 | 54 | 78 | 67 | 60 | 54 | 65 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 | | | | | 50 | | | |
| 6 | 75 | 62 | 54 | 48 | 73 | 61 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 45 | | | | | 45 | | | |
| 7 | 70 | 57 | 49 | 43 | 68 | 56 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 42 | 40 | | | | | 40 | | | |
| 8 | 65 | 52 | 45 | 39 | 64 | 52 | 44 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 | | | | | 37 | | | |
| 9 | 61 | 48 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | | 33 | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 44 | 37 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 | | | | | 30 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 65586 | 65586 | 65586 |
| 5° | 67988 | 65369 | 63125 |
| 10° | 69910 | 64800 | 60542 |
| 15° | 71468 | 63657 | 57869 |
| 20° | 71580 | 61168 | 55517 |
| 25° | 70209 | 57770 | 53554 |
| 30° | 66588 | 53570 | 51206 |
| 35° | 60502 | 48787 | 48904 |
| 40° | 52902 | 43784 | 46091 |
| 45° | 45851 | 39000 | 42946 |
| 50° | 40144 | 34641 | 39131 |
| 55° | 35730 | 30698 | 35413 |
| 60° | 32230 | 27574 | 31120 |
| 65° | 29098 | 24254 | 27114 |
| 70° | 26146 | 20430 | 20160 |
| 75° | 23042 | 16191 | 15119 |
| 80° | 19321 | 13425 | 14473 |
| 85° | 14931 | 11746 | 12843 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 200.6 | 4.7 |
| 10°-20° | 565.1 | 13.2 |
| 20°-30° | 807.7 | 18.9 |
| 30°-40° | 858.2 | 20.1 |
| 40°-50° | 738.9 | 17.3 |
| 50°-60° | 552.4 | 12.9 |
| 60°-70° | 352.4 | 8.2 |
| 70°-80° | 160.4 | 3.7 |
| 80°-90° | 42.1 | 1.0 |
| 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° | 1573.5 | 36.8 |
| 0°-40° | 2431.6 | 56.8 |
| 0°-60° | 3722.9 | 87.0 |
| 0°-90° | 4277.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4277.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2127 | 2127 | 2127 | 2127 | 2127 | |
| 5° | 2196 | 2166 | 2112 | 2057 | 2039 | 210 |
| 15° | 2239 | 2163 | 1994 | 1858 | 1813 | 631 |
| 25° | 2064 | 1934 | 1698 | 1595 | 1574 | 945 |
| 35° | 1607 | 1496 | 1296 | 1263 | 1299 | 1001 |
| 45° | 1051 | 994 | 894 | 918 | 985 | 817 |
| 55° | 665 | 610 | 571 | 619 | 659 | 598 |
| 65° | 399 | 353 | 332 | 348 | 372 | 398 |
| 75° | 193 | 166 | 136 | 124 | 127 | 205 |
| 85° | 42 | 36 | 33 | 36 | 36 | 51 |
| 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° | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 |
| 2.5° | 2166.2 | 2160.1 | 2163.2 | 2160.1 | 2163.2 | 2163.2 | 2157.1 | 2157.1 | 2157.1 | 2157.1 | 2148.1 |
| 5° | 2196.4 | 2193.4 | 2193.4 | 2190.3 | 2187.3 | 2190.3 | 2187.3 | 2184.4 | 2178.3 | 2175.2 | 2166.2 |
| 7.5° | 2214.5 | 2214.5 | 2214.5 | 2214.5 | 2211.5 | 2208.5 | 2205.4 | 2199.4 | 2193.4 | 2187.3 | 2181.3 |
| 10° | 2232.7 | 2235.7 | 2232.7 | 2229.6 | 2226.6 | 2220.5 | 2217.6 | 2211.5 | 2202.5 | 2193.4 | 2187.3 |
| 12.5° | 2241.7 | 2241.7 | 2238.7 | 2238.7 | 2232.7 | 2229.6 | 2220.5 | 2211.5 | 2202.5 | 2193.4 | 2178.3 |
| 15° | 2238.7 | 2238.7 | 2235.7 | 2232.7 | 2223.6 | 2220.5 | 2214.5 | 2205.4 | 2190.3 | 2178.3 | 2163.2 |
| 17.5° | 2220.5 | 2217.6 | 2211.5 | 2211.5 | 2199.4 | 2196.4 | 2190.3 | 2178.3 | 2163.2 | 2145.1 | 2126.9 |
| 20° | 2181.3 | 2181.3 | 2178.3 | 2175.2 | 2163.2 | 2154.1 | 2148.1 | 2133.0 | 2120.8 | 2099.8 | 2081.5 |
| 22.5° | 2126.9 | 2133.0 | 2126.9 | 2120.8 | 2105.7 | 2102.7 | 2093.7 | 2075.6 | 2057.4 | 2033.2 | 2012.1 |
| 25° | 2063.5 | 2060.5 | 2057.4 | 2051.3 | 2039.3 | 2033.2 | 2021.2 | 2003.0 | 1984.9 | 1957.7 | 1933.5 |
| 27.5° | 1981.9 | 1969.8 | 1969.8 | 1957.7 | 1948.6 | 1939.6 | 1933.5 | 1915.4 | 1891.3 | 1870.1 | 1839.9 |
| 30° | 1870.1 | 1873.2 | 1858.1 | 1855.0 | 1839.9 | 1833.9 | 1821.8 | 1803.7 | 1782.5 | 1758.3 | 1734.2 |
| 32.5° | 1749.3 | 1740.3 | 1740.3 | 1728.1 | 1716.0 | 1706.9 | 1704.0 | 1682.8 | 1664.7 | 1640.5 | 1616.4 |
| 35° | 1607.2 | 1607.2 | 1598.2 | 1595.2 | 1583.1 | 1577.1 | 1567.9 | 1555.9 | 1534.7 | 1513.6 | 1495.5 |
| 37.5° | 1468.3 | 1462.3 | 1459.2 | 1453.2 | 1444.1 | 1435.0 | 1435.0 | 1414.0 | 1410.9 | 1386.7 | 1362.6 |
| 40° | 1314.2 | 1320.3 | 1314.2 | 1305.2 | 1302.1 | 1296.0 | 1293.1 | 1281.0 | 1271.9 | 1250.8 | 1235.7 |
| 42.5° | 1184.3 | 1178.2 | 1178.2 | 1175.2 | 1163.1 | 1163.1 | 1157.2 | 1151.1 | 1136.0 | 1129.9 | 1111.8 |
| 45° | 1051.4 | 1057.4 | 1048.4 | 1051.4 | 1039.2 | 1039.2 | 1039.2 | 1027.2 | 1015.1 | 1006.0 | 994.0 |
| 47.5° | 936.5 | 939.6 | 939.6 | 930.6 | 927.5 | 927.5 | 921.4 | 915.5 | 906.3 | 894.3 | 885.2 |
| 50° | 836.8 | 839.9 | 833.8 | 830.9 | 824.8 | 821.8 | 821.8 | 809.7 | 803.6 | 791.6 | 785.5 |
| 52.5° | 746.2 | 746.2 | 743.2 | 743.2 | 734.1 | 734.1 | 728.2 | 719.0 | 713.0 | 707.0 | 691.9 |
| 55° | 664.6 | 664.6 | 661.6 | 658.7 | 658.7 | 649.5 | 646.5 | 637.5 | 631.4 | 619.4 | 610.2 |
| 57.5° | 586.1 | 589.2 | 586.1 | 583.1 | 580.1 | 577.0 | 571.0 | 561.9 | 555.8 | 546.8 | 540.7 |
| 60° | 522.6 | 522.6 | 519.7 | 516.6 | 510.6 | 507.5 | 504.6 | 498.5 | 489.4 | 483.4 | 474.3 |
| 62.5° | 462.2 | 459.2 | 456.2 | 453.2 | 447.1 | 447.1 | 441.1 | 435.1 | 426.0 | 420.0 | 413.9 |
| 65° | 398.8 | 398.8 | 395.8 | 395.8 | 392.7 | 386.8 | 383.7 | 380.7 | 368.5 | 365.6 | 353.4 |
| 67.5° | 341.4 | 344.4 | 338.3 | 338.3 | 332.4 | 332.4 | 329.3 | 320.2 | 317.3 | 311.2 | 305.1 |
| 70° | 290.0 | 290.0 | 290.0 | 287.0 | 281.0 | 278.0 | 274.9 | 268.9 | 265.8 | 259.8 | 253.8 |
| 72.5° | 238.7 | 238.7 | 235.6 | 235.6 | 232.6 | 229.6 | 226.6 | 220.5 | 220.5 | 214.6 | 208.5 |
| 75° | 193.4 | 193.4 | 190.3 | 187.3 | 184.3 | 184.3 | 181.2 | 178.3 | 172.2 | 169.2 | 166.1 |
| 77.5° | 148.0 | 148.0 | 148.0 | 145.1 | 142.0 | 142.0 | 142.0 | 135.9 | 129.9 | 129.9 | 126.9 |
| 80° | 108.8 | 108.8 | 105.8 | 105.8 | 102.7 | 102.7 | 102.7 | 99.7 | 96.6 | 93.7 | 90.7 |
| 82.5° | 72.5 | 72.5 | 72.5 | 72.5 | 69.5 | 69.5 | 69.5 | 66.5 | 63.4 | 63.4 | 63.4 |
| 85° | 42.2 | 42.2 | 42.2 | 42.2 | 39.3 | 39.3 | 39.3 | 39.3 | 39.3 | 36.3 | 36.3 |
| 87.5° | 18.1 | 15.1 | 18.1 | 15.1 | 18.1 | 15.1 | 18.1 | 15.1 | 15.1 | 15.1 | 15.1 |
| 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° | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 |
| 2.5° | 2151.0 | 2148.1 | 2145.1 | 2142.0 | 2142.0 | 2139.0 | 2133.0 | 2130.0 | 2126.9 | 2123.9 | 2123.9 |
| 5° | 2163.2 | 2160.1 | 2154.1 | 2148.1 | 2145.1 | 2139.0 | 2133.0 | 2126.9 | 2120.8 | 2111.8 | 2108.8 |
| 7.5° | 2172.2 | 2163.2 | 2157.1 | 2145.1 | 2142.0 | 2135.9 | 2126.9 | 2117.8 | 2105.7 | 2093.7 | 2084.6 |
| 10° | 2172.2 | 2160.1 | 2151.0 | 2135.9 | 2130.0 | 2123.9 | 2111.8 | 2096.7 | 2081.5 | 2069.5 | 2054.4 |
| 12.5° | 2166.2 | 2151.0 | 2135.9 | 2120.8 | 2111.8 | 2102.7 | 2084.6 | 2069.5 | 2051.3 | 2033.2 | 2021.2 |
| 15° | 2145.1 | 2126.9 | 2108.8 | 2090.7 | 2081.5 | 2069.5 | 2051.3 | 2030.3 | 2012.1 | 1994.0 | 1972.8 |
| 17.5° | 2105.7 | 2087.6 | 2066.4 | 2045.4 | 2033.2 | 2024.2 | 1996.9 | 1981.9 | 1954.7 | 1936.6 | 1918.4 |
| 20° | 2054.4 | 2033.2 | 2006.1 | 1984.9 | 1969.8 | 1960.8 | 1939.6 | 1912.4 | 1891.3 | 1864.0 | 1845.9 |
| 22.5° | 1987.9 | 1960.8 | 1933.5 | 1912.4 | 1897.3 | 1885.2 | 1858.1 | 1830.8 | 1812.7 | 1788.6 | 1767.4 |
| 25° | 1909.4 | 1882.2 | 1855.0 | 1824.7 | 1809.6 | 1797.6 | 1773.5 | 1749.3 | 1725.1 | 1697.9 | 1679.8 |
| 27.5° | 1815.7 | 1785.5 | 1761.3 | 1734.2 | 1719.1 | 1700.9 | 1673.7 | 1649.6 | 1625.4 | 1607.2 | 1583.1 |
| 30° | 1713.0 | 1679.8 | 1655.6 | 1628.4 | 1613.3 | 1598.2 | 1571.0 | 1546.9 | 1525.7 | 1504.5 | 1492.5 |
| 32.5° | 1589.1 | 1565.0 | 1540.8 | 1513.6 | 1501.5 | 1492.5 | 1465.2 | 1441.1 | 1416.9 | 1398.8 | 1389.7 |
| 35° | 1471.3 | 1444.1 | 1423.0 | 1398.8 | 1383.7 | 1374.7 | 1350.4 | 1329.3 | 1317.2 | 1296.0 | 1284.0 |
| 37.5° | 1347.4 | 1326.3 | 1302.1 | 1277.9 | 1268.9 | 1259.9 | 1241.6 | 1220.6 | 1202.4 | 1187.3 | 1181.3 |
| 40° | 1217.5 | 1199.4 | 1178.2 | 1163.1 | 1154.1 | 1145.0 | 1129.9 | 1114.8 | 1102.8 | 1087.7 | 1081.6 |
| 42.5° | 1093.6 | 1081.6 | 1063.5 | 1045.3 | 1036.3 | 1033.3 | 1015.1 | 1003.1 | 997.0 | 990.9 | 984.8 |
| 45° | 981.9 | 963.8 | 951.6 | 939.6 | 930.6 | 924.5 | 915.5 | 906.3 | 900.4 | 894.3 | 888.2 |
| 47.5° | 873.1 | 858.0 | 846.0 | 836.8 | 827.8 | 824.8 | 818.7 | 809.7 | 803.6 | 803.6 | 803.6 |
| 50° | 773.4 | 761.4 | 749.2 | 743.2 | 740.2 | 734.1 | 728.2 | 725.1 | 722.1 | 722.1 | 722.1 |
| 52.5° | 685.8 | 673.8 | 664.6 | 658.7 | 658.7 | 652.6 | 646.5 | 643.6 | 643.6 | 643.6 | 643.6 |
| 55° | 604.3 | 595.1 | 589.2 | 583.1 | 577.0 | 574.1 | 574.1 | 574.1 | 571.0 | 571.0 | 574.1 |
| 57.5° | 531.7 | 525.7 | 516.6 | 510.6 | 507.5 | 507.5 | 504.6 | 501.5 | 504.6 | 507.5 | 510.6 |
| 60° | 465.3 | 459.2 | 456.2 | 447.1 | 447.1 | 447.1 | 444.1 | 444.1 | 444.1 | 447.1 | 450.2 |
| 62.5° | 404.8 | 401.9 | 395.8 | 392.7 | 389.7 | 389.7 | 386.8 | 386.8 | 386.8 | 386.8 | 389.7 |
| 65° | 350.5 | 344.4 | 338.3 | 338.3 | 338.3 | 335.3 | 335.3 | 329.3 | 332.4 | 332.4 | 329.3 |
| 67.5° | 299.0 | 293.1 | 290.0 | 287.0 | 283.9 | 283.9 | 281.0 | 278.0 | 274.9 | 274.9 | 274.9 |
| 70° | 250.7 | 244.7 | 244.7 | 238.7 | 238.7 | 235.6 | 232.6 | 232.6 | 229.6 | 226.6 | 223.6 |
| 72.5° | 202.4 | 199.4 | 196.4 | 193.4 | 193.4 | 193.4 | 190.3 | 187.3 | 184.3 | 181.2 | 175.3 |
| 75° | 160.2 | 160.2 | 154.1 | 151.0 | 151.0 | 148.0 | 145.1 | 142.0 | 139.0 | 135.9 | 132.9 |
| 77.5° | 123.9 | 120.9 | 114.8 | 111.7 | 111.7 | 111.7 | 108.8 | 105.8 | 102.7 | 99.7 | 96.6 |
| 80° | 90.7 | 87.6 | 84.6 | 81.5 | 81.5 | 81.5 | 78.5 | 78.5 | 75.6 | 75.6 | 75.6 |
| 82.5° | 60.5 | 60.5 | 57.4 | 57.4 | 57.4 | 57.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| 85° | 36.3 | 36.3 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| 87.5° | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 |
| 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° | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 |
| 2.5° | 2117.8 | 2117.8 | 2111.8 | 2108.8 | 2105.7 | 2108.8 | 2102.7 | 2099.8 | 2096.7 | 2096.7 | 2093.7 |
| 5° | 2099.8 | 2096.7 | 2084.6 | 2081.5 | 2078.6 | 2075.6 | 2069.5 | 2063.5 | 2057.4 | 2054.4 | 2051.3 |
| 7.5° | 2075.6 | 2066.4 | 2054.4 | 2051.3 | 2048.3 | 2039.3 | 2030.3 | 2024.2 | 2015.1 | 2012.1 | 2006.1 |
| 10° | 2042.3 | 2030.3 | 2021.2 | 2012.1 | 2006.1 | 1996.9 | 1987.9 | 1978.9 | 1966.8 | 1963.7 | 1954.7 |
| 12.5° | 2003.0 | 1987.9 | 1969.8 | 1966.8 | 1957.7 | 1945.6 | 1933.5 | 1924.5 | 1915.4 | 1909.4 | 1900.3 |
| 15° | 1954.7 | 1939.6 | 1921.5 | 1912.4 | 1903.3 | 1894.2 | 1879.1 | 1867.1 | 1858.1 | 1848.9 | 1839.9 |
| 17.5° | 1897.3 | 1879.1 | 1864.0 | 1855.0 | 1848.9 | 1833.9 | 1821.8 | 1806.7 | 1797.6 | 1788.6 | 1779.5 |
| 20° | 1827.8 | 1812.7 | 1791.5 | 1782.5 | 1779.5 | 1767.4 | 1752.3 | 1746.2 | 1734.2 | 1725.1 | 1719.1 |
| 22.5° | 1749.3 | 1734.2 | 1716.0 | 1710.0 | 1697.9 | 1691.8 | 1676.7 | 1670.8 | 1664.7 | 1655.6 | 1652.6 |
| 25° | 1661.6 | 1646.5 | 1631.5 | 1628.4 | 1619.4 | 1613.3 | 1604.2 | 1595.2 | 1595.2 | 1586.2 | 1586.2 |
| 27.5° | 1571.0 | 1555.9 | 1543.8 | 1537.8 | 1534.7 | 1528.7 | 1519.6 | 1516.7 | 1513.6 | 1510.6 | 1510.6 |
| 30° | 1474.3 | 1456.2 | 1450.1 | 1447.2 | 1444.1 | 1438.1 | 1435.0 | 1429.1 | 1432.0 | 1435.0 | 1432.0 |
| 32.5° | 1371.6 | 1365.5 | 1353.5 | 1347.4 | 1350.4 | 1347.4 | 1341.4 | 1347.4 | 1344.5 | 1350.4 | 1353.5 |
| 35° | 1271.9 | 1265.9 | 1259.9 | 1259.9 | 1253.8 | 1253.8 | 1253.8 | 1256.8 | 1262.8 | 1265.9 | 1271.9 |
| 37.5° | 1175.2 | 1166.2 | 1163.1 | 1160.1 | 1163.1 | 1163.1 | 1163.1 | 1169.2 | 1175.2 | 1181.3 | 1190.4 |
| 40° | 1072.5 | 1066.5 | 1066.5 | 1066.5 | 1066.5 | 1075.5 | 1072.5 | 1078.6 | 1084.6 | 1093.6 | 1102.8 |
| 42.5° | 975.8 | 975.8 | 978.9 | 978.9 | 978.9 | 978.9 | 984.8 | 994.0 | 1003.1 | 1012.1 | 1021.1 |
| 45° | 885.2 | 885.2 | 885.2 | 891.2 | 891.2 | 894.3 | 906.3 | 912.4 | 918.4 | 927.5 | 936.5 |
| 47.5° | 800.6 | 800.6 | 803.6 | 806.7 | 809.7 | 815.7 | 821.8 | 830.9 | 839.9 | 846.0 | 855.0 |
| 50° | 722.1 | 725.1 | 731.1 | 737.2 | 737.2 | 740.2 | 749.2 | 755.3 | 761.4 | 770.4 | 773.4 |
| 52.5° | 646.5 | 652.6 | 658.7 | 661.6 | 664.6 | 670.7 | 673.8 | 682.8 | 685.8 | 694.8 | 697.9 |
| 55° | 577.0 | 580.1 | 589.2 | 592.1 | 592.1 | 598.2 | 604.3 | 610.2 | 619.4 | 619.4 | 625.3 |
| 57.5° | 513.6 | 516.6 | 522.6 | 525.7 | 522.6 | 531.7 | 534.8 | 540.7 | 543.8 | 549.9 | 552.9 |
| 60° | 450.2 | 456.2 | 459.2 | 459.2 | 462.2 | 465.3 | 471.4 | 471.4 | 477.3 | 483.4 | 483.4 |
| 62.5° | 389.7 | 392.7 | 395.8 | 398.8 | 401.9 | 398.8 | 407.8 | 407.8 | 413.9 | 417.0 | 422.9 |
| 65° | 332.4 | 335.3 | 335.3 | 338.3 | 338.3 | 341.4 | 341.4 | 344.4 | 347.5 | 353.4 | 356.5 |
| 67.5° | 274.9 | 274.9 | 274.9 | 278.0 | 274.9 | 278.0 | 278.0 | 281.0 | 281.0 | 287.0 | 290.0 |
| 70° | 223.6 | 220.5 | 217.5 | 217.5 | 217.5 | 217.5 | 214.6 | 217.5 | 217.5 | 220.5 | 220.5 |
| 72.5° | 172.2 | 169.2 | 166.1 | 163.1 | 163.1 | 160.2 | 157.1 | 160.2 | 160.2 | 163.1 | 163.1 |
| 75° | 129.9 | 123.9 | 123.9 | 123.9 | 120.9 | 120.9 | 120.9 | 123.9 | 123.9 | 123.9 | 126.9 |
| 77.5° | 96.6 | 96.6 | 93.7 | 93.7 | 93.7 | 96.6 | 96.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| 80° | 72.5 | 75.6 | 75.6 | 75.6 | 75.6 | 78.5 | 78.5 | 78.5 | 78.5 | 81.5 | 81.5 |
| 82.5° | 54.4 | 54.4 | 54.4 | 54.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 85° | 33.2 | 36.3 | 36.3 | 33.2 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| 87.5° | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 |
| 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: P584540

CATALOG NUMBER: HCC8S40D010MB-HM82555830-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 | 2126.9 |
| 2.5° | 2090.7 | 2090.7 | 2090.7 | 2090.7 | 2087.6 | 2087.6 | 2087.6 | 2084.6 |
| 5° | 2045.4 | 2045.4 | 2045.4 | 2039.3 | 2042.3 | 2042.3 | 2036.3 | 2039.3 |
| 7.5° | 2000.0 | 1996.9 | 1994.0 | 1994.0 | 1991.0 | 1987.9 | 1984.9 | 1987.9 |
| 10° | 1948.6 | 1939.6 | 1939.6 | 1936.6 | 1936.6 | 1930.5 | 1930.5 | 1933.5 |
| 12.5° | 1891.3 | 1885.2 | 1885.2 | 1882.2 | 1879.1 | 1876.2 | 1873.2 | 1873.2 |
| 15° | 1833.9 | 1827.8 | 1824.7 | 1821.8 | 1818.8 | 1812.7 | 1815.7 | 1812.7 |
| 17.5° | 1776.4 | 1767.4 | 1767.4 | 1764.4 | 1761.3 | 1755.2 | 1755.2 | 1752.3 |
| 20° | 1710.0 | 1706.9 | 1700.9 | 1704.0 | 1700.9 | 1694.9 | 1691.8 | 1691.8 |
| 22.5° | 1643.5 | 1643.5 | 1640.5 | 1640.5 | 1637.4 | 1634.5 | 1631.5 | 1631.5 |
| 25° | 1580.1 | 1577.1 | 1580.1 | 1580.1 | 1571.0 | 1571.0 | 1571.0 | 1574.0 |
| 27.5° | 1507.6 | 1510.6 | 1507.6 | 1507.6 | 1507.6 | 1507.6 | 1510.6 | 1507.6 |
| 30° | 1435.0 | 1435.0 | 1435.0 | 1438.1 | 1444.1 | 1441.1 | 1441.1 | 1438.1 |
| 32.5° | 1356.5 | 1359.6 | 1359.6 | 1362.6 | 1365.5 | 1371.6 | 1371.6 | 1374.7 |
| 35° | 1277.9 | 1284.0 | 1287.0 | 1284.0 | 1293.1 | 1293.1 | 1299.1 | 1299.1 |
| 37.5° | 1196.4 | 1199.4 | 1205.5 | 1208.4 | 1214.5 | 1217.5 | 1220.6 | 1220.6 |
| 40° | 1108.7 | 1120.9 | 1123.8 | 1126.9 | 1136.0 | 1136.0 | 1138.9 | 1145.0 |
| 42.5° | 1027.2 | 1039.2 | 1042.3 | 1045.3 | 1051.4 | 1060.4 | 1057.4 | 1063.5 |
| 45° | 948.7 | 957.7 | 960.7 | 963.8 | 972.8 | 975.8 | 975.8 | 984.8 |
| 47.5° | 864.1 | 870.1 | 873.1 | 879.2 | 885.2 | 891.2 | 897.3 | 894.3 |
| 50° | 779.4 | 788.5 | 794.6 | 797.5 | 806.7 | 809.7 | 812.7 | 815.7 |
| 52.5° | 703.9 | 710.0 | 713.0 | 716.0 | 725.1 | 728.2 | 731.1 | 737.2 |
| 55° | 631.4 | 634.4 | 640.5 | 637.5 | 646.5 | 649.5 | 652.6 | 658.7 |
| 57.5° | 558.9 | 561.9 | 565.0 | 565.0 | 571.0 | 577.0 | 580.1 | 583.1 |
| 60° | 489.4 | 495.5 | 498.5 | 498.5 | 498.5 | 504.6 | 504.6 | 504.6 |
| 62.5° | 426.0 | 426.0 | 429.0 | 429.0 | 435.1 | 435.1 | 435.1 | 435.1 |
| 65° | 359.5 | 362.6 | 365.6 | 365.6 | 371.6 | 368.5 | 374.6 | 371.6 |
| 67.5° | 290.0 | 290.0 | 296.1 | 296.1 | 293.1 | 296.1 | 296.1 | 296.1 |
| 70° | 220.5 | 220.5 | 223.6 | 223.6 | 223.6 | 223.6 | 223.6 | 223.6 |
| 72.5° | 163.1 | 163.1 | 163.1 | 166.1 | 163.1 | 163.1 | 166.1 | 163.1 |
| 75° | 126.9 | 126.9 | 126.9 | 126.9 | 126.9 | 126.9 | 126.9 | 126.9 |
| 77.5° | 99.7 | 99.7 | 102.7 | 102.7 | 102.7 | 102.7 | 102.7 | 102.7 |
| 80° | 81.5 | 81.5 | 81.5 | 81.5 | 84.6 | 81.5 | 81.5 | 81.5 |
| 82.5° | 60.5 | 57.4 | 60.5 | 57.4 | 60.5 | 60.5 | 60.5 | 60.5 |
| 85° | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 | 36.3 |
| 87.5° | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 | 15.1 |
| 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



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Scaled Data Report



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

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(END OF REPORT)