

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: P584521

Luminaire Tested: **HCC8W40D010SL-HM82555827-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584521
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: HCC8W40D010SL-HM82555827-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

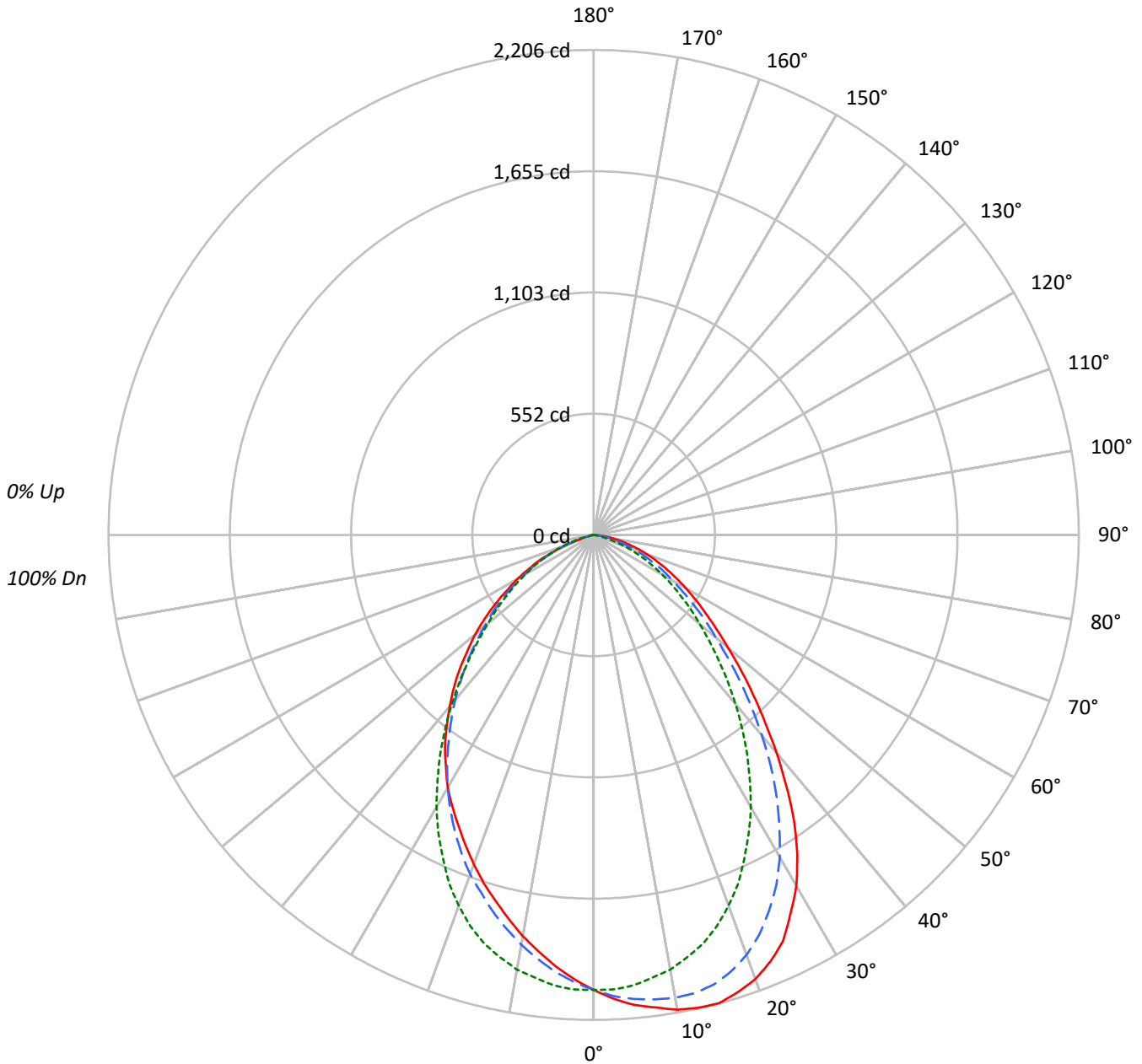
Lumens per Lamp: N/A
Luminaire Lumens: 3854.7 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P584521
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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 | 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° | 63813 | 63813 | 63813 |
| 5° | 66452 | 63673 | 60992 |
| 10° | 68674 | 62859 | 58018 |
| 15° | 70409 | 61422 | 55005 |
| 20° | 70550 | 58877 | 52278 |
| 25° | 69358 | 55150 | 49570 |
| 30° | 65648 | 50886 | 47254 |
| 35° | 59854 | 45764 | 44367 |
| 40° | 52052 | 40343 | 40966 |
| 45° | 44651 | 34940 | 37499 |
| 50° | 38138 | 30127 | 33686 |
| 55° | 33429 | 25940 | 29268 |
| 60° | 29757 | 22128 | 24607 |
| 65° | 26406 | 18059 | 19635 |
| 70° | 23432 | 13389 | 11162 |
| 75° | 19539 | 7006 | 3312 |
| 80° | 15378 | 2202 | 550 |
| 85° | 10933 | 1097 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 195.0 | 5.1 |
| 10°-20° | 546.5 | 14.2 |
| 20°-30° | 773.6 | 20.1 |
| 30°-40° | 809.3 | 21.0 |
| 40°-50° | 675.0 | 17.5 |
| 50°-60° | 478.7 | 12.4 |
| 60°-70° | 275.7 | 7.2 |
| 70°-80° | 88.7 | 2.3 |
| 80°-90° | 12.2 | 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° | 1515.1 | 39.3 |
| 0°-40° | 2324.4 | 60.3 |
| 0°-60° | 3478.1 | 90.2 |
| 0°-90° | 3854.7 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3854.7 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2069 | 2069 | 2069 | 2069 | 2069 | |
| 5° | 2147 | 2119 | 2057 | 1995 | 1970 | 206 |
| 15° | 2206 | 2116 | 1924 | 1772 | 1723 | 620 |
| 25° | 2038 | 1887 | 1621 | 1491 | 1457 | 930 |
| 35° | 1590 | 1451 | 1216 | 1151 | 1179 | 986 |
| 45° | 1024 | 940 | 801 | 810 | 860 | 793 |
| 55° | 622 | 557 | 482 | 507 | 544 | 562 |
| 65° | 362 | 303 | 248 | 248 | 269 | 362 |
| 75° | 164 | 121 | 59 | 28 | 28 | 178 |
| 85° | 31 | 16 | 3 | 0 | 0 | 39 |
| 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° | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 |
| 2.5° | 2112.7 | 2109.6 | 2106.5 | 2109.6 | 2106.5 | 2109.6 | 2106.5 | 2106.5 | 2103.4 | 2100.4 | 2100.4 |
| 5° | 2146.8 | 2143.7 | 2143.7 | 2143.7 | 2140.6 | 2137.5 | 2137.5 | 2134.4 | 2128.2 | 2125.1 | 2118.9 |
| 7.5° | 2168.4 | 2171.5 | 2171.5 | 2171.5 | 2165.3 | 2165.3 | 2159.1 | 2152.9 | 2146.8 | 2140.6 | 2131.3 |
| 10° | 2193.2 | 2193.2 | 2190.1 | 2187.0 | 2180.8 | 2177.7 | 2174.6 | 2168.4 | 2159.1 | 2146.8 | 2137.5 |
| 12.5° | 2202.5 | 2202.5 | 2199.4 | 2193.2 | 2190.1 | 2187.0 | 2183.9 | 2174.6 | 2162.2 | 2146.8 | 2134.4 |
| 15° | 2205.5 | 2199.4 | 2196.3 | 2193.2 | 2187.0 | 2177.7 | 2177.7 | 2165.3 | 2149.9 | 2131.3 | 2115.8 |
| 17.5° | 2180.8 | 2183.9 | 2177.7 | 2171.5 | 2162.2 | 2156.0 | 2146.8 | 2137.5 | 2118.9 | 2097.3 | 2081.8 |
| 20° | 2149.9 | 2146.8 | 2143.7 | 2134.4 | 2122.0 | 2118.9 | 2109.6 | 2094.2 | 2078.7 | 2053.9 | 2032.3 |
| 22.5° | 2100.4 | 2097.3 | 2091.1 | 2084.9 | 2072.5 | 2066.3 | 2057.0 | 2038.5 | 2016.8 | 1992.1 | 1967.3 |
| 25° | 2038.5 | 2032.3 | 2023.0 | 2010.6 | 2001.3 | 1995.2 | 1982.8 | 1964.2 | 1939.5 | 1911.6 | 1886.9 |
| 27.5° | 1939.5 | 1948.7 | 1942.6 | 1924.0 | 1914.7 | 1902.3 | 1899.2 | 1874.5 | 1852.9 | 1825.1 | 1797.3 |
| 30° | 1843.7 | 1843.7 | 1834.4 | 1825.1 | 1809.6 | 1800.4 | 1788.0 | 1769.4 | 1747.8 | 1713.7 | 1692.1 |
| 32.5° | 1723.0 | 1719.9 | 1707.5 | 1704.4 | 1692.1 | 1673.5 | 1670.4 | 1645.7 | 1624.0 | 1599.2 | 1571.4 |
| 35° | 1590.0 | 1583.8 | 1571.4 | 1562.1 | 1555.9 | 1546.6 | 1537.4 | 1515.7 | 1494.0 | 1469.3 | 1450.7 |
| 37.5° | 1438.4 | 1438.4 | 1435.3 | 1419.8 | 1413.6 | 1407.4 | 1398.1 | 1376.5 | 1364.1 | 1339.3 | 1320.9 |
| 40° | 1293.1 | 1290.0 | 1280.7 | 1277.6 | 1271.4 | 1262.1 | 1255.9 | 1243.6 | 1225.0 | 1206.4 | 1187.9 |
| 42.5° | 1150.7 | 1153.8 | 1141.4 | 1144.5 | 1132.2 | 1126.0 | 1122.9 | 1104.3 | 1095.0 | 1076.5 | 1061.0 |
| 45° | 1023.9 | 1020.8 | 1014.6 | 1011.5 | 1005.3 | 999.1 | 992.9 | 983.7 | 968.2 | 949.6 | 940.3 |
| 47.5° | 906.3 | 897.0 | 897.0 | 893.9 | 890.8 | 878.5 | 875.4 | 866.1 | 856.8 | 838.2 | 825.9 |
| 50° | 795.0 | 795.0 | 795.0 | 791.9 | 782.7 | 779.6 | 773.4 | 764.1 | 754.8 | 742.4 | 723.9 |
| 52.5° | 705.3 | 705.3 | 705.3 | 702.2 | 689.8 | 686.7 | 683.7 | 671.3 | 658.9 | 649.6 | 637.2 |
| 55° | 621.8 | 624.9 | 621.8 | 615.6 | 606.3 | 606.3 | 597.0 | 590.8 | 578.5 | 569.2 | 556.8 |
| 57.5° | 550.6 | 550.6 | 544.4 | 541.3 | 535.1 | 532.0 | 525.9 | 519.7 | 504.2 | 494.9 | 479.5 |
| 60° | 482.5 | 479.5 | 479.5 | 473.3 | 467.1 | 460.9 | 457.8 | 448.5 | 442.3 | 426.9 | 414.5 |
| 62.5° | 420.7 | 420.7 | 414.5 | 414.5 | 402.1 | 402.1 | 399.0 | 389.7 | 380.4 | 365.0 | 358.8 |
| 65° | 361.9 | 361.9 | 358.8 | 355.7 | 346.4 | 343.3 | 340.2 | 330.9 | 321.7 | 312.4 | 303.1 |
| 67.5° | 309.3 | 309.3 | 303.1 | 300.0 | 293.8 | 290.7 | 284.5 | 278.3 | 269.1 | 259.9 | 250.6 |
| 70° | 259.9 | 256.8 | 253.7 | 250.6 | 244.4 | 241.3 | 235.1 | 229.0 | 219.7 | 213.5 | 204.2 |
| 72.5° | 210.4 | 210.4 | 207.3 | 201.1 | 198.0 | 194.9 | 191.8 | 185.6 | 176.4 | 167.1 | 160.9 |
| 75° | 164.0 | 164.0 | 164.0 | 157.8 | 151.6 | 148.5 | 148.5 | 142.3 | 136.1 | 126.9 | 120.7 |
| 77.5° | 126.9 | 123.8 | 120.7 | 120.7 | 114.5 | 111.4 | 108.3 | 105.2 | 95.9 | 92.8 | 86.6 |
| 80° | 86.6 | 89.7 | 86.6 | 83.5 | 80.4 | 77.4 | 77.4 | 71.2 | 68.1 | 61.9 | 55.7 |
| 82.5° | 58.8 | 55.7 | 55.7 | 52.6 | 52.6 | 49.5 | 49.5 | 43.3 | 40.2 | 37.1 | 34.0 |
| 85° | 30.9 | 30.9 | 27.8 | 27.8 | 27.8 | 24.8 | 24.8 | 21.7 | 21.7 | 18.6 | 15.5 |
| 87.5° | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 6.2 | 6.2 | 6.2 |
| 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° | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 |
| 2.5° | 2097.3 | 2091.1 | 2088.0 | 2088.0 | 2084.9 | 2081.8 | 2078.7 | 2075.6 | 2069.4 | 2069.4 | 2063.2 |
| 5° | 2112.7 | 2106.5 | 2103.4 | 2094.2 | 2088.0 | 2088.0 | 2075.6 | 2072.5 | 2063.2 | 2057.0 | 2050.8 |
| 7.5° | 2125.1 | 2112.7 | 2103.4 | 2094.2 | 2088.0 | 2081.8 | 2069.4 | 2057.0 | 2044.7 | 2032.3 | 2026.1 |
| 10° | 2125.1 | 2112.7 | 2097.3 | 2081.8 | 2075.6 | 2069.4 | 2053.9 | 2035.4 | 2019.9 | 2007.5 | 1992.1 |
| 12.5° | 2118.9 | 2100.4 | 2081.8 | 2069.4 | 2057.0 | 2047.8 | 2029.2 | 2010.6 | 1992.1 | 1967.3 | 1954.9 |
| 15° | 2100.4 | 2075.6 | 2057.0 | 2035.4 | 2026.1 | 2010.6 | 1995.2 | 1967.3 | 1945.6 | 1924.0 | 1908.5 |
| 17.5° | 2063.2 | 2032.3 | 2010.6 | 1989.0 | 1973.5 | 1964.2 | 1939.5 | 1914.7 | 1890.0 | 1865.3 | 1846.8 |
| 20° | 2007.5 | 1979.7 | 1954.9 | 1927.1 | 1914.7 | 1902.3 | 1871.5 | 1846.8 | 1822.0 | 1794.2 | 1775.6 |
| 22.5° | 1939.5 | 1911.6 | 1877.6 | 1856.0 | 1837.5 | 1822.0 | 1794.2 | 1766.3 | 1741.6 | 1716.8 | 1692.1 |
| 25° | 1856.0 | 1828.2 | 1797.3 | 1763.2 | 1750.8 | 1735.4 | 1704.4 | 1676.6 | 1648.7 | 1620.9 | 1599.2 |
| 27.5° | 1766.3 | 1729.2 | 1704.4 | 1667.3 | 1654.9 | 1639.5 | 1605.4 | 1574.5 | 1549.7 | 1528.1 | 1503.3 |
| 30° | 1658.0 | 1630.2 | 1596.1 | 1562.1 | 1549.7 | 1534.3 | 1506.4 | 1478.6 | 1453.8 | 1429.1 | 1404.3 |
| 32.5° | 1540.5 | 1512.6 | 1478.6 | 1453.8 | 1435.3 | 1422.9 | 1395.0 | 1370.3 | 1345.5 | 1320.9 | 1299.2 |
| 35° | 1416.7 | 1385.8 | 1361.0 | 1336.4 | 1320.9 | 1305.4 | 1277.6 | 1255.9 | 1237.4 | 1215.7 | 1194.0 |
| 37.5° | 1290.0 | 1268.3 | 1243.6 | 1215.7 | 1200.2 | 1187.9 | 1166.2 | 1141.4 | 1126.0 | 1107.4 | 1091.9 |
| 40° | 1166.2 | 1141.4 | 1119.8 | 1095.0 | 1082.7 | 1073.4 | 1051.7 | 1033.2 | 1017.7 | 1002.2 | 992.9 |
| 42.5° | 1039.3 | 1017.7 | 996.0 | 980.6 | 971.3 | 962.0 | 946.5 | 924.9 | 915.6 | 900.1 | 890.8 |
| 45° | 921.8 | 903.2 | 887.7 | 866.1 | 859.9 | 853.7 | 835.1 | 819.7 | 810.4 | 801.2 | 795.0 |
| 47.5° | 810.4 | 798.1 | 779.6 | 767.2 | 757.9 | 751.7 | 739.3 | 727.0 | 717.7 | 711.5 | 705.3 |
| 50° | 714.6 | 699.1 | 686.7 | 674.4 | 668.2 | 658.9 | 646.5 | 640.3 | 634.2 | 628.0 | 628.0 |
| 52.5° | 624.9 | 609.4 | 597.0 | 587.7 | 581.6 | 575.4 | 566.1 | 563.0 | 556.8 | 556.8 | 553.7 |
| 55° | 541.3 | 532.0 | 519.7 | 507.3 | 504.2 | 501.1 | 494.9 | 488.7 | 485.6 | 482.5 | 485.6 |
| 57.5° | 470.2 | 460.9 | 448.5 | 439.2 | 436.1 | 433.0 | 429.9 | 423.8 | 420.7 | 420.7 | 420.7 |
| 60° | 405.2 | 395.9 | 386.6 | 377.3 | 377.3 | 371.2 | 368.1 | 365.0 | 361.9 | 358.8 | 358.8 |
| 62.5° | 346.4 | 337.1 | 327.8 | 321.7 | 318.6 | 315.5 | 309.3 | 306.2 | 303.1 | 303.1 | 300.0 |
| 65° | 293.8 | 281.4 | 278.3 | 269.1 | 266.1 | 263.0 | 259.9 | 253.7 | 250.6 | 247.5 | 244.4 |
| 67.5° | 241.3 | 235.1 | 225.9 | 219.7 | 216.6 | 213.5 | 210.4 | 204.2 | 201.1 | 198.0 | 191.8 |
| 70° | 194.9 | 188.7 | 182.5 | 176.4 | 173.3 | 170.2 | 164.0 | 157.8 | 154.7 | 148.5 | 139.2 |
| 72.5° | 151.6 | 145.4 | 139.2 | 133.0 | 129.9 | 126.9 | 120.7 | 114.5 | 108.3 | 102.1 | 95.9 |
| 75° | 114.5 | 108.3 | 99.0 | 92.8 | 89.7 | 89.7 | 80.4 | 74.3 | 68.1 | 58.8 | 52.6 |
| 77.5° | 80.4 | 71.2 | 68.1 | 61.9 | 58.8 | 52.6 | 46.4 | 40.2 | 34.0 | 30.9 | 24.8 |
| 80° | 52.6 | 46.4 | 40.2 | 37.1 | 34.0 | 30.9 | 27.8 | 21.7 | 15.5 | 12.4 | 9.3 |
| 82.5° | 30.9 | 27.8 | 24.8 | 21.7 | 18.6 | 15.5 | 12.4 | 12.4 | 9.3 | 6.2 | 3.1 |
| 85° | 15.5 | 12.4 | 9.3 | 9.3 | 6.2 | 6.2 | 6.2 | 3.1 | 3.1 | 3.1 | 3.1 |
| 87.5° | 6.2 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 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° | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 |
| 2.5° | 2060.1 | 2057.0 | 2053.9 | 2050.8 | 2050.8 | 2044.7 | 2044.7 | 2041.6 | 2035.4 | 2032.3 | 2032.3 |
| 5° | 2041.6 | 2032.3 | 2026.1 | 2023.0 | 2019.9 | 2010.6 | 2007.5 | 2001.3 | 1995.2 | 1989.0 | 1985.9 |
| 7.5° | 2013.7 | 1998.2 | 1992.1 | 1989.0 | 1979.7 | 1970.4 | 1964.2 | 1954.9 | 1945.6 | 1936.4 | 1933.3 |
| 10° | 1979.7 | 1964.2 | 1948.7 | 1942.6 | 1933.3 | 1927.1 | 1914.7 | 1902.3 | 1893.1 | 1883.8 | 1874.5 |
| 12.5° | 1936.4 | 1917.8 | 1902.3 | 1896.1 | 1886.9 | 1874.5 | 1856.0 | 1849.9 | 1834.4 | 1828.2 | 1815.8 |
| 15° | 1886.9 | 1865.3 | 1849.9 | 1840.6 | 1831.3 | 1812.7 | 1800.4 | 1788.0 | 1772.5 | 1766.3 | 1753.9 |
| 17.5° | 1825.1 | 1800.4 | 1784.9 | 1775.6 | 1769.4 | 1753.9 | 1735.4 | 1719.9 | 1704.4 | 1698.2 | 1689.0 |
| 20° | 1750.8 | 1735.4 | 1713.7 | 1704.4 | 1698.2 | 1679.7 | 1661.1 | 1654.9 | 1642.6 | 1630.2 | 1620.9 |
| 22.5° | 1667.3 | 1651.8 | 1630.2 | 1620.9 | 1617.8 | 1602.3 | 1586.9 | 1577.6 | 1568.3 | 1559.0 | 1549.7 |
| 25° | 1580.7 | 1562.1 | 1543.5 | 1537.4 | 1531.2 | 1518.8 | 1506.4 | 1500.2 | 1491.0 | 1484.8 | 1478.6 |
| 27.5° | 1487.9 | 1469.3 | 1453.8 | 1444.5 | 1438.4 | 1429.1 | 1422.9 | 1416.7 | 1410.5 | 1404.3 | 1401.2 |
| 30° | 1388.8 | 1370.3 | 1357.9 | 1351.7 | 1345.5 | 1342.4 | 1333.3 | 1330.2 | 1327.1 | 1320.9 | 1324.0 |
| 32.5° | 1290.0 | 1274.5 | 1262.1 | 1252.8 | 1252.8 | 1246.6 | 1243.6 | 1243.6 | 1240.5 | 1240.5 | 1240.5 |
| 35° | 1181.7 | 1172.4 | 1163.1 | 1160.0 | 1156.9 | 1153.8 | 1150.7 | 1153.8 | 1150.7 | 1153.8 | 1156.9 |
| 37.5° | 1082.7 | 1073.4 | 1067.2 | 1064.1 | 1061.0 | 1064.1 | 1061.0 | 1061.0 | 1064.1 | 1070.3 | 1073.4 |
| 40° | 980.6 | 974.4 | 968.2 | 971.3 | 968.2 | 968.2 | 968.2 | 977.5 | 980.6 | 983.7 | 986.7 |
| 42.5° | 884.6 | 878.5 | 875.4 | 875.4 | 878.5 | 875.4 | 881.6 | 884.6 | 890.8 | 900.1 | 906.3 |
| 45° | 791.9 | 788.9 | 788.9 | 791.9 | 788.9 | 795.0 | 795.0 | 801.2 | 810.4 | 816.6 | 822.8 |
| 47.5° | 705.3 | 705.3 | 705.3 | 708.4 | 708.4 | 711.5 | 717.7 | 720.8 | 727.0 | 733.2 | 739.3 |
| 50° | 624.9 | 628.0 | 631.1 | 631.1 | 631.1 | 637.2 | 643.4 | 646.5 | 649.6 | 652.7 | 662.0 |
| 52.5° | 553.7 | 556.8 | 556.8 | 559.9 | 563.0 | 566.1 | 569.2 | 575.4 | 578.5 | 584.6 | 587.7 |
| 55° | 485.6 | 485.6 | 491.8 | 494.9 | 494.9 | 494.9 | 501.1 | 501.1 | 507.3 | 510.4 | 516.6 |
| 57.5° | 420.7 | 423.8 | 423.8 | 426.9 | 426.9 | 429.9 | 433.0 | 436.1 | 439.2 | 442.3 | 445.4 |
| 60° | 358.8 | 358.8 | 358.8 | 361.9 | 365.0 | 368.1 | 365.0 | 371.2 | 371.2 | 377.3 | 380.4 |
| 62.5° | 300.0 | 303.1 | 303.1 | 303.1 | 303.1 | 303.1 | 303.1 | 306.2 | 309.3 | 312.4 | 315.5 |
| 65° | 244.4 | 244.4 | 244.4 | 241.3 | 244.4 | 241.3 | 244.4 | 247.5 | 247.5 | 250.6 | 253.7 |
| 67.5° | 188.7 | 188.7 | 182.5 | 182.5 | 185.6 | 185.6 | 185.6 | 185.6 | 182.5 | 188.7 | 188.7 |
| 70° | 136.1 | 133.0 | 129.9 | 126.9 | 126.9 | 123.8 | 123.8 | 120.7 | 120.7 | 120.7 | 120.7 |
| 72.5° | 89.7 | 83.5 | 77.4 | 74.3 | 71.2 | 71.2 | 65.0 | 61.9 | 65.0 | 65.0 | 65.0 |
| 75° | 46.4 | 40.2 | 37.1 | 34.0 | 30.9 | 30.9 | 27.8 | 27.8 | 27.8 | 27.8 | 27.8 |
| 77.5° | 18.6 | 15.5 | 12.4 | 12.4 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 | 9.3 |
| 80° | 6.2 | 6.2 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 82.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 85° | 3.1 | 0.0 | 0.0 | 3.1 | 0.0 | 3.1 | 3.1 | 3.1 | 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: P584521

CATALOG NUMBER: HCC8W40D010SL-HM82555827-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 | 2069.4 |
| 2.5° | 2029.2 | 2029.2 | 2026.1 | 2029.2 | 2023.0 | 2026.1 | 2023.0 | 2023.0 |
| 5° | 1982.8 | 1976.6 | 1976.6 | 1976.6 | 1973.5 | 1973.5 | 1970.4 | 1970.4 |
| 7.5° | 1927.1 | 1924.0 | 1920.9 | 1917.8 | 1914.7 | 1911.6 | 1911.6 | 1911.6 |
| 10° | 1871.5 | 1865.3 | 1865.3 | 1862.2 | 1856.0 | 1852.9 | 1852.9 | 1852.9 |
| 12.5° | 1806.5 | 1803.4 | 1800.4 | 1800.4 | 1788.0 | 1791.1 | 1788.0 | 1788.0 |
| 15° | 1744.7 | 1741.6 | 1741.6 | 1732.3 | 1726.1 | 1726.1 | 1726.1 | 1723.0 |
| 17.5° | 1679.7 | 1676.6 | 1673.5 | 1667.3 | 1661.1 | 1661.1 | 1658.0 | 1661.1 |
| 20° | 1611.6 | 1608.5 | 1602.3 | 1602.3 | 1599.2 | 1596.1 | 1590.0 | 1593.1 |
| 22.5° | 1543.5 | 1537.4 | 1534.3 | 1534.3 | 1531.2 | 1531.2 | 1525.0 | 1525.0 |
| 25° | 1472.4 | 1469.3 | 1466.2 | 1469.3 | 1463.1 | 1463.1 | 1456.9 | 1456.9 |
| 27.5° | 1398.1 | 1395.0 | 1395.0 | 1395.0 | 1391.9 | 1395.0 | 1391.9 | 1391.9 |
| 30° | 1324.0 | 1324.0 | 1320.9 | 1320.9 | 1324.0 | 1320.9 | 1324.0 | 1327.1 |
| 32.5° | 1243.6 | 1243.6 | 1246.6 | 1246.6 | 1249.7 | 1249.7 | 1249.7 | 1249.7 |
| 35° | 1160.0 | 1166.2 | 1166.2 | 1169.3 | 1172.4 | 1175.5 | 1175.5 | 1178.6 |
| 37.5° | 1082.7 | 1085.8 | 1088.8 | 1091.9 | 1098.1 | 1098.1 | 1098.1 | 1098.1 |
| 40° | 999.1 | 1002.2 | 1008.4 | 1005.3 | 1017.7 | 1020.8 | 1017.7 | 1017.7 |
| 42.5° | 912.5 | 918.7 | 921.8 | 928.0 | 931.1 | 937.2 | 940.3 | 940.3 |
| 45° | 832.0 | 835.1 | 841.3 | 847.5 | 850.6 | 859.9 | 859.9 | 859.9 |
| 47.5° | 748.6 | 754.8 | 757.9 | 764.1 | 767.2 | 776.5 | 779.6 | 776.5 |
| 50° | 668.2 | 674.4 | 680.6 | 680.6 | 689.8 | 692.9 | 699.1 | 702.2 |
| 52.5° | 590.8 | 593.9 | 600.1 | 603.2 | 609.4 | 615.6 | 618.7 | 621.8 |
| 55° | 516.6 | 519.7 | 525.9 | 525.9 | 535.1 | 538.2 | 544.4 | 544.4 |
| 57.5° | 448.5 | 451.6 | 457.8 | 454.7 | 460.9 | 467.1 | 467.1 | 464.0 |
| 60° | 383.5 | 383.5 | 383.5 | 389.7 | 392.8 | 395.9 | 399.0 | 399.0 |
| 62.5° | 315.5 | 321.7 | 324.8 | 324.8 | 327.8 | 330.9 | 330.9 | 327.8 |
| 65° | 253.7 | 259.9 | 263.0 | 263.0 | 266.1 | 266.1 | 266.1 | 269.1 |
| 67.5° | 191.8 | 191.8 | 191.8 | 194.9 | 191.8 | 191.8 | 191.8 | 191.8 |
| 70° | 120.7 | 120.7 | 120.7 | 120.7 | 117.6 | 120.7 | 120.7 | 123.8 |
| 72.5° | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 75° | 27.8 | 27.8 | 27.8 | 30.9 | 27.8 | 27.8 | 27.8 | 27.8 |
| 77.5° | 12.4 | 9.3 | 12.4 | 12.4 | 9.3 | 9.3 | 9.3 | 9.3 |
| 80° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 82.5° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |
| 85° | 0.0 | 3.1 | 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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— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)