

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: P584572

Luminaire Tested: **HCC8W40D010MB-HM82555840-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584572
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: HCC8W40D010MB-HM82555840-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

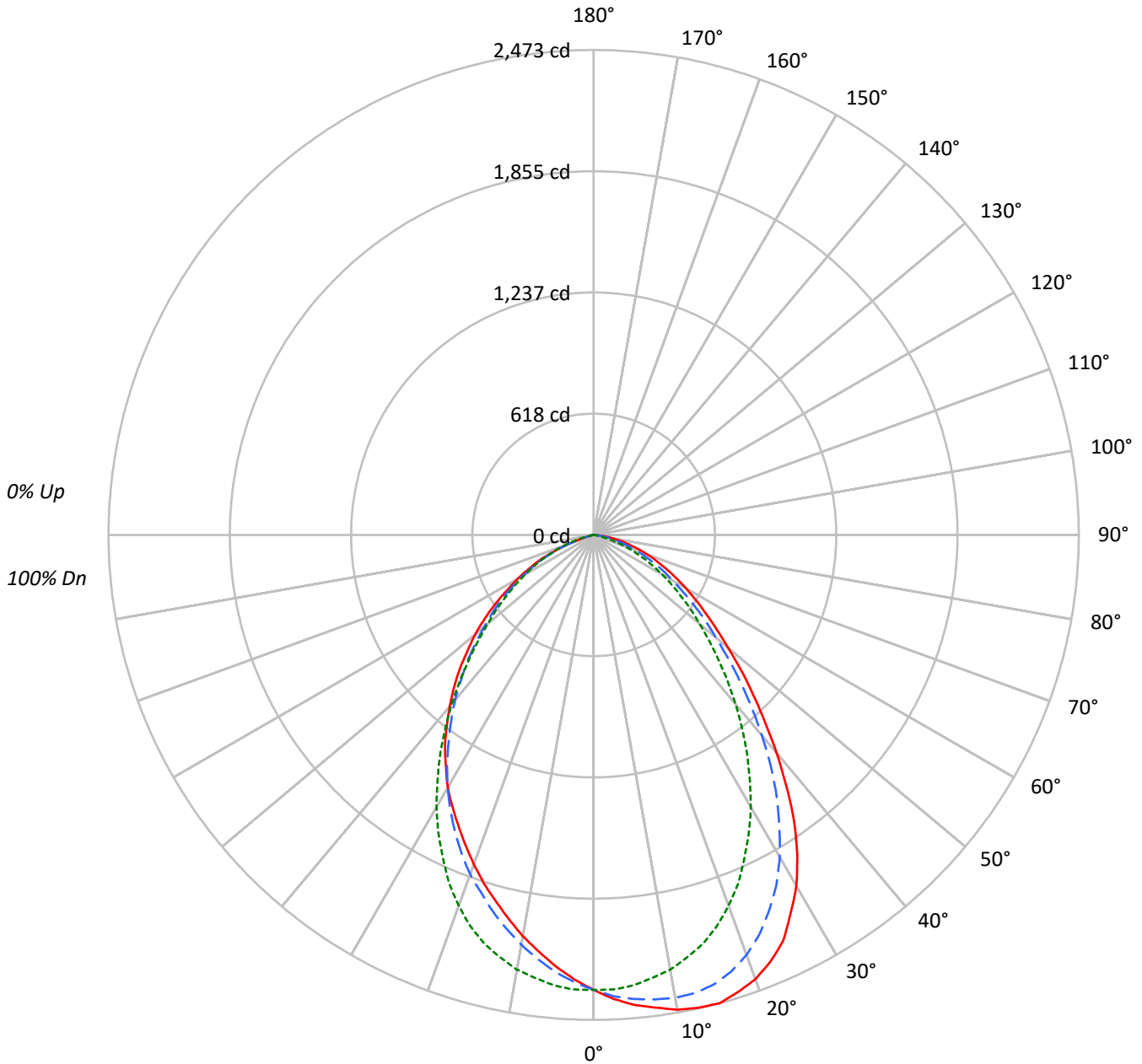
Lumens per Lamp: N/A
Luminaire Lumens: 4321.5 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 41
Input Voltage (V): NR
Input Current (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: P584572
CATALOG NUMBER: HCC8W40D010MB-HM82555840-81WWBB

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° | 71540 | 71540 | 71540 |
| 5° | 74500 | 71383 | 68378 |
| 10° | 76990 | 70471 | 65044 |
| 15° | 78936 | 68860 | 61665 |
| 20° | 79091 | 66001 | 58608 |
| 25° | 77759 | 61825 | 55575 |
| 30° | 73596 | 57049 | 52972 |
| 35° | 67101 | 51305 | 49739 |
| 40° | 58348 | 45229 | 45930 |
| 45° | 50059 | 39170 | 42039 |
| 50° | 42753 | 33773 | 37764 |
| 55° | 37477 | 29085 | 32816 |
| 60° | 33365 | 24805 | 27586 |
| 65° | 29609 | 20240 | 22014 |
| 70° | 26263 | 15012 | 12514 |
| 75° | 21910 | 7851 | 3717 |
| 80° | 17243 | 2468 | 622 |
| 85° | 12242 | 1238 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 218.6 | 5.1 |
| 10°-20° | 612.7 | 14.2 |
| 20°-30° | 867.2 | 20.1 |
| 30°-40° | 907.3 | 21.0 |
| 40°-50° | 756.8 | 17.5 |
| 50°-60° | 536.6 | 12.4 |
| 60°-70° | 309.1 | 7.2 |
| 70°-80° | 99.5 | 2.3 |
| 80°-90° | 13.7 | 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° | 1698.6 | 39.3 |
| 0°-40° | 2605.9 | 60.3 |
| 0°-60° | 3899.3 | 90.2 |
| 0°-90° | 4321.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4321.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2320 | 2320 | 2320 | 2320 | 2320 | |
| 5° | 2407 | 2376 | 2306 | 2237 | 2209 | 231 |
| 15° | 2473 | 2372 | 2157 | 1987 | 1932 | 695 |
| 25° | 2285 | 2116 | 1817 | 1672 | 1633 | 1043 |
| 35° | 1782 | 1626 | 1363 | 1290 | 1321 | 1105 |
| 45° | 1148 | 1054 | 898 | 909 | 964 | 889 |
| 55° | 697 | 624 | 541 | 569 | 610 | 630 |
| 65° | 406 | 340 | 277 | 277 | 302 | 405 |
| 75° | 184 | 135 | 66 | 31 | 31 | 199 |
| 85° | 35 | 17 | 4 | 0 | 0 | 43 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584572

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 |
| 2.5° | 2368.6 | 2365.1 | 2361.7 | 2365.1 | 2361.7 | 2365.1 | 2361.7 | 2361.7 | 2358.2 | 2354.7 | 2354.7 |
| 5° | 2406.8 | 2403.2 | 2403.2 | 2403.2 | 2399.8 | 2396.3 | 2396.3 | 2392.9 | 2386.0 | 2382.5 | 2375.5 |
| 7.5° | 2431.1 | 2434.5 | 2434.5 | 2434.5 | 2427.5 | 2427.5 | 2420.6 | 2413.7 | 2406.8 | 2399.8 | 2389.4 |
| 10° | 2458.8 | 2458.8 | 2455.3 | 2451.8 | 2444.9 | 2441.4 | 2438.0 | 2431.1 | 2420.6 | 2406.8 | 2396.3 |
| 12.5° | 2469.1 | 2469.1 | 2465.7 | 2458.8 | 2455.3 | 2451.8 | 2448.3 | 2438.0 | 2424.0 | 2406.8 | 2392.9 |
| 15° | 2472.6 | 2465.7 | 2462.2 | 2458.8 | 2451.8 | 2441.4 | 2441.4 | 2427.5 | 2410.2 | 2389.4 | 2372.0 |
| 17.5° | 2444.9 | 2448.3 | 2441.4 | 2434.5 | 2424.0 | 2417.1 | 2406.8 | 2396.3 | 2375.5 | 2351.2 | 2333.9 |
| 20° | 2410.2 | 2406.8 | 2403.2 | 2392.9 | 2378.9 | 2375.5 | 2365.1 | 2347.8 | 2330.4 | 2302.6 | 2278.4 |
| 22.5° | 2354.7 | 2351.2 | 2344.3 | 2337.4 | 2323.5 | 2316.6 | 2306.1 | 2285.4 | 2261.1 | 2233.3 | 2205.5 |
| 25° | 2285.4 | 2278.4 | 2268.0 | 2254.1 | 2243.7 | 2236.8 | 2222.9 | 2202.1 | 2174.4 | 2143.2 | 2115.5 |
| 27.5° | 2174.4 | 2184.7 | 2177.8 | 2157.0 | 2146.6 | 2132.7 | 2129.3 | 2101.5 | 2077.3 | 2046.1 | 2014.8 |
| 30° | 2066.9 | 2066.9 | 2056.4 | 2046.1 | 2028.7 | 2018.4 | 2004.4 | 1983.6 | 1959.3 | 1921.3 | 1897.0 |
| 32.5° | 1931.6 | 1928.2 | 1914.2 | 1910.8 | 1897.0 | 1876.2 | 1872.7 | 1845.0 | 1820.7 | 1792.9 | 1761.7 |
| 35° | 1782.5 | 1775.6 | 1761.7 | 1751.3 | 1744.3 | 1733.9 | 1723.6 | 1699.3 | 1675.0 | 1647.2 | 1626.5 |
| 37.5° | 1612.6 | 1612.6 | 1609.1 | 1591.7 | 1584.8 | 1577.9 | 1567.5 | 1543.2 | 1529.4 | 1501.5 | 1480.8 |
| 40° | 1449.5 | 1446.1 | 1435.7 | 1432.3 | 1425.3 | 1414.9 | 1408.0 | 1394.1 | 1373.3 | 1352.4 | 1331.7 |
| 42.5° | 1290.1 | 1293.5 | 1279.6 | 1283.2 | 1269.3 | 1262.4 | 1258.9 | 1238.1 | 1227.6 | 1206.8 | 1189.5 |
| 45° | 1147.9 | 1144.4 | 1137.5 | 1134.0 | 1127.0 | 1120.1 | 1113.2 | 1102.8 | 1085.4 | 1064.7 | 1054.2 |
| 47.5° | 1016.1 | 1005.7 | 1005.7 | 1002.2 | 998.8 | 984.8 | 981.4 | 971.0 | 960.6 | 939.7 | 925.9 |
| 50° | 891.2 | 891.2 | 891.2 | 887.7 | 877.4 | 873.9 | 866.9 | 856.6 | 846.2 | 832.3 | 811.5 |
| 52.5° | 790.6 | 790.6 | 790.6 | 787.2 | 773.4 | 769.9 | 766.4 | 752.6 | 738.6 | 728.3 | 714.4 |
| 55° | 697.1 | 700.6 | 697.1 | 690.1 | 679.7 | 679.7 | 669.3 | 662.4 | 648.6 | 638.1 | 624.3 |
| 57.5° | 617.3 | 617.3 | 610.4 | 606.9 | 600.0 | 596.4 | 589.5 | 582.6 | 565.2 | 554.9 | 537.5 |
| 60° | 541.0 | 537.5 | 537.5 | 530.6 | 523.6 | 516.7 | 513.2 | 502.9 | 495.9 | 478.6 | 464.7 |
| 62.5° | 471.6 | 471.6 | 464.7 | 464.7 | 450.8 | 450.8 | 447.3 | 437.0 | 426.5 | 409.2 | 402.2 |
| 65° | 405.8 | 405.8 | 402.2 | 398.8 | 388.4 | 385.0 | 381.5 | 371.0 | 360.7 | 350.2 | 339.9 |
| 67.5° | 346.8 | 346.8 | 339.9 | 336.4 | 329.4 | 325.9 | 319.0 | 312.1 | 301.7 | 291.3 | 281.0 |
| 70° | 291.3 | 287.9 | 284.4 | 281.0 | 273.9 | 270.5 | 263.6 | 256.7 | 246.2 | 239.3 | 228.8 |
| 72.5° | 235.9 | 235.9 | 232.4 | 225.4 | 221.9 | 218.5 | 215.0 | 208.1 | 197.7 | 187.3 | 180.3 |
| 75° | 183.9 | 183.9 | 183.9 | 176.8 | 169.9 | 166.5 | 166.5 | 159.6 | 152.6 | 142.2 | 135.3 |
| 77.5° | 142.2 | 138.8 | 135.3 | 135.3 | 128.3 | 124.8 | 121.4 | 117.9 | 107.5 | 104.0 | 97.1 |
| 80° | 97.1 | 100.6 | 97.1 | 93.7 | 90.2 | 86.8 | 86.8 | 79.7 | 76.3 | 69.4 | 62.5 |
| 82.5° | 65.9 | 62.5 | 62.5 | 58.9 | 58.9 | 55.5 | 55.5 | 48.6 | 45.1 | 41.6 | 38.2 |
| 85° | 34.6 | 34.6 | 31.2 | 31.2 | 31.2 | 27.7 | 27.7 | 24.3 | 24.3 | 20.8 | 17.4 |
| 87.5° | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 6.9 | 6.9 | 6.9 |
| 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° | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 |
| 2.5° | 2351.2 | 2344.3 | 2340.8 | 2340.8 | 2337.4 | 2333.9 | 2330.4 | 2326.9 | 2320.0 | 2320.0 | 2313.1 |
| 5° | 2368.6 | 2361.7 | 2358.2 | 2347.8 | 2340.8 | 2340.8 | 2326.9 | 2323.5 | 2313.1 | 2306.1 | 2299.2 |
| 7.5° | 2382.5 | 2368.6 | 2358.2 | 2347.8 | 2340.8 | 2333.9 | 2320.0 | 2306.1 | 2292.3 | 2278.4 | 2271.5 |
| 10° | 2382.5 | 2368.6 | 2351.2 | 2333.9 | 2326.9 | 2320.0 | 2302.6 | 2281.8 | 2264.6 | 2250.6 | 2233.3 |
| 12.5° | 2375.5 | 2354.7 | 2333.9 | 2320.0 | 2306.1 | 2295.7 | 2274.9 | 2254.1 | 2233.3 | 2205.5 | 2191.7 |
| 15° | 2354.7 | 2326.9 | 2306.1 | 2281.8 | 2271.5 | 2254.1 | 2236.8 | 2205.5 | 2181.3 | 2157.0 | 2139.7 |
| 17.5° | 2313.1 | 2278.4 | 2254.1 | 2229.8 | 2212.6 | 2202.1 | 2174.4 | 2146.6 | 2118.9 | 2091.2 | 2070.4 |
| 20° | 2250.6 | 2219.5 | 2191.7 | 2160.4 | 2146.6 | 2132.7 | 2098.1 | 2070.4 | 2042.6 | 2011.3 | 1990.5 |
| 22.5° | 2174.4 | 2143.2 | 2105.0 | 2080.7 | 2059.9 | 2042.6 | 2011.3 | 1980.2 | 1952.4 | 1924.7 | 1897.0 |
| 25° | 2080.7 | 2049.5 | 2014.8 | 1976.7 | 1962.8 | 1945.5 | 1910.8 | 1879.6 | 1848.4 | 1817.1 | 1792.9 |
| 27.5° | 1980.2 | 1938.5 | 1910.8 | 1869.3 | 1855.3 | 1838.0 | 1799.9 | 1765.1 | 1737.4 | 1713.1 | 1685.4 |
| 30° | 1858.8 | 1827.6 | 1789.4 | 1751.3 | 1737.4 | 1720.0 | 1688.8 | 1657.7 | 1629.9 | 1602.2 | 1574.4 |
| 32.5° | 1727.0 | 1695.8 | 1657.7 | 1629.9 | 1609.1 | 1595.2 | 1564.0 | 1536.3 | 1508.6 | 1480.8 | 1456.6 |
| 35° | 1588.3 | 1553.7 | 1525.8 | 1498.1 | 1480.8 | 1463.5 | 1432.3 | 1408.0 | 1387.2 | 1362.9 | 1338.6 |
| 37.5° | 1446.1 | 1421.8 | 1394.1 | 1362.9 | 1345.5 | 1331.7 | 1307.5 | 1279.6 | 1262.4 | 1241.5 | 1224.2 |
| 40° | 1307.5 | 1279.6 | 1255.3 | 1227.6 | 1213.8 | 1203.3 | 1179.1 | 1158.2 | 1141.0 | 1123.6 | 1113.2 |
| 42.5° | 1165.2 | 1141.0 | 1116.7 | 1099.3 | 1089.0 | 1078.5 | 1061.1 | 1036.8 | 1026.5 | 1009.1 | 998.8 |
| 45° | 1033.4 | 1012.6 | 995.3 | 971.0 | 964.0 | 957.1 | 936.3 | 919.0 | 908.6 | 898.2 | 891.2 |
| 47.5° | 908.6 | 894.8 | 873.9 | 860.0 | 849.7 | 842.8 | 828.8 | 814.9 | 804.6 | 797.7 | 790.6 |
| 50° | 801.1 | 783.7 | 769.9 | 756.0 | 749.1 | 738.6 | 724.8 | 717.8 | 710.9 | 704.0 | 704.0 |
| 52.5° | 700.6 | 683.2 | 669.3 | 658.9 | 652.0 | 645.0 | 634.6 | 631.2 | 624.3 | 624.3 | 620.7 |
| 55° | 606.9 | 596.4 | 582.6 | 568.7 | 565.2 | 561.8 | 554.9 | 547.9 | 544.4 | 541.0 | 544.4 |
| 57.5° | 527.2 | 516.7 | 502.9 | 492.4 | 489.0 | 485.5 | 482.1 | 475.0 | 471.6 | 471.6 | 471.6 |
| 60° | 454.3 | 443.9 | 433.5 | 423.0 | 423.0 | 416.1 | 412.7 | 409.2 | 405.8 | 402.2 | 402.2 |
| 62.5° | 388.4 | 377.9 | 367.6 | 360.7 | 357.2 | 353.7 | 346.8 | 343.3 | 339.9 | 339.9 | 336.4 |
| 65° | 329.4 | 315.6 | 312.1 | 301.7 | 298.2 | 294.8 | 291.3 | 284.4 | 281.0 | 277.4 | 273.9 |
| 67.5° | 270.5 | 263.6 | 253.1 | 246.2 | 242.8 | 239.3 | 235.9 | 228.8 | 225.4 | 221.9 | 215.0 |
| 70° | 218.5 | 211.6 | 204.6 | 197.7 | 194.2 | 190.8 | 183.9 | 176.8 | 173.4 | 166.5 | 156.0 |
| 72.5° | 169.9 | 163.0 | 156.0 | 149.1 | 145.7 | 142.2 | 135.3 | 128.3 | 121.4 | 114.5 | 107.5 |
| 75° | 128.3 | 121.4 | 111.0 | 104.0 | 100.6 | 100.6 | 90.2 | 83.2 | 76.3 | 65.9 | 58.9 |
| 77.5° | 90.2 | 79.7 | 76.3 | 69.4 | 65.9 | 58.9 | 52.0 | 45.1 | 38.2 | 34.6 | 27.7 |
| 80° | 58.9 | 52.0 | 45.1 | 41.6 | 38.2 | 34.6 | 31.2 | 24.3 | 17.4 | 13.9 | 10.4 |
| 82.5° | 34.6 | 31.2 | 27.7 | 24.3 | 20.8 | 17.4 | 13.9 | 13.9 | 10.4 | 6.9 | 3.5 |
| 85° | 17.4 | 13.9 | 10.4 | 10.4 | 6.9 | 6.9 | 6.9 | 3.5 | 3.5 | 3.5 | 3.5 |
| 87.5° | 6.9 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 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° | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 |
| 2.5° | 2309.7 | 2306.1 | 2302.6 | 2299.2 | 2299.2 | 2292.3 | 2292.3 | 2288.8 | 2281.8 | 2278.4 | 2278.4 |
| 5° | 2288.8 | 2278.4 | 2271.5 | 2268.0 | 2264.6 | 2254.1 | 2250.6 | 2243.7 | 2236.8 | 2229.8 | 2226.4 |
| 7.5° | 2257.5 | 2240.3 | 2233.3 | 2229.8 | 2219.5 | 2209.0 | 2202.1 | 2191.7 | 2181.3 | 2170.9 | 2167.5 |
| 10° | 2219.5 | 2202.1 | 2184.7 | 2177.8 | 2167.5 | 2160.4 | 2146.6 | 2132.7 | 2122.4 | 2111.9 | 2101.5 |
| 12.5° | 2170.9 | 2150.1 | 2132.7 | 2125.8 | 2115.5 | 2101.5 | 2080.7 | 2073.8 | 2056.4 | 2049.5 | 2035.6 |
| 15° | 2115.5 | 2091.2 | 2073.8 | 2063.3 | 2053.0 | 2032.2 | 2018.4 | 2004.4 | 1987.1 | 1980.2 | 1966.4 |
| 17.5° | 2046.1 | 2018.4 | 2001.0 | 1990.5 | 1983.6 | 1966.4 | 1945.5 | 1928.2 | 1910.8 | 1903.9 | 1893.5 |
| 20° | 1962.8 | 1945.5 | 1921.3 | 1910.8 | 1903.9 | 1883.1 | 1862.2 | 1855.3 | 1841.4 | 1827.6 | 1817.1 |
| 22.5° | 1869.3 | 1851.9 | 1827.6 | 1817.1 | 1813.7 | 1796.4 | 1779.0 | 1768.6 | 1758.2 | 1747.9 | 1737.4 |
| 25° | 1772.1 | 1751.3 | 1730.5 | 1723.6 | 1716.6 | 1702.8 | 1688.8 | 1681.9 | 1671.5 | 1664.6 | 1657.7 |
| 27.5° | 1668.0 | 1647.2 | 1629.9 | 1619.5 | 1612.6 | 1602.2 | 1595.2 | 1588.3 | 1581.4 | 1574.4 | 1570.9 |
| 30° | 1557.1 | 1536.3 | 1522.4 | 1515.5 | 1508.6 | 1505.1 | 1494.6 | 1491.2 | 1487.7 | 1480.8 | 1484.3 |
| 32.5° | 1446.1 | 1428.7 | 1414.9 | 1404.6 | 1404.6 | 1397.5 | 1394.1 | 1394.1 | 1390.6 | 1390.6 | 1390.6 |
| 35° | 1324.7 | 1314.4 | 1303.9 | 1300.4 | 1297.0 | 1293.5 | 1290.1 | 1293.5 | 1290.1 | 1293.5 | 1297.0 |
| 37.5° | 1213.8 | 1203.3 | 1196.4 | 1193.0 | 1189.5 | 1193.0 | 1189.5 | 1189.5 | 1193.0 | 1199.9 | 1203.3 |
| 40° | 1099.3 | 1092.4 | 1085.4 | 1089.0 | 1085.4 | 1085.4 | 1085.4 | 1095.9 | 1099.3 | 1102.8 | 1106.2 |
| 42.5° | 991.9 | 984.8 | 981.4 | 981.4 | 984.8 | 981.4 | 988.3 | 991.9 | 998.8 | 1009.1 | 1016.1 |
| 45° | 887.7 | 884.3 | 884.3 | 887.7 | 884.3 | 891.2 | 891.2 | 898.2 | 908.6 | 915.5 | 922.5 |
| 47.5° | 790.6 | 790.6 | 790.6 | 794.2 | 794.2 | 797.7 | 804.6 | 808.0 | 814.9 | 821.9 | 828.8 |
| 50° | 700.6 | 704.0 | 707.5 | 707.5 | 707.5 | 714.4 | 721.4 | 724.8 | 728.3 | 731.7 | 742.1 |
| 52.5° | 620.7 | 624.3 | 624.3 | 627.7 | 631.2 | 634.6 | 638.1 | 645.0 | 648.6 | 655.5 | 658.9 |
| 55° | 544.4 | 544.4 | 551.4 | 554.9 | 554.9 | 554.9 | 561.8 | 561.8 | 568.7 | 572.2 | 579.2 |
| 57.5° | 471.6 | 475.0 | 475.0 | 478.6 | 478.6 | 482.1 | 485.5 | 489.0 | 492.4 | 495.9 | 499.3 |
| 60° | 402.2 | 402.2 | 402.2 | 405.8 | 409.2 | 412.7 | 409.2 | 416.1 | 416.1 | 423.0 | 426.5 |
| 62.5° | 336.4 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 343.3 | 346.8 | 350.2 | 353.7 |
| 65° | 273.9 | 273.9 | 273.9 | 270.5 | 273.9 | 270.5 | 273.9 | 277.4 | 277.4 | 281.0 | 284.4 |
| 67.5° | 211.6 | 211.6 | 204.6 | 204.6 | 208.1 | 208.1 | 208.1 | 208.1 | 204.6 | 211.6 | 211.6 |
| 70° | 152.6 | 149.1 | 145.7 | 142.2 | 142.2 | 138.8 | 138.8 | 135.3 | 135.3 | 135.3 | 135.3 |
| 72.5° | 100.6 | 93.7 | 86.8 | 83.2 | 79.7 | 79.7 | 72.8 | 69.4 | 72.8 | 72.8 | 72.8 |
| 75° | 52.0 | 45.1 | 41.6 | 38.2 | 34.6 | 34.6 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| 77.5° | 20.8 | 17.4 | 13.9 | 13.9 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| 80° | 6.9 | 6.9 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 82.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 85° | 3.5 | 0.0 | 0.0 | 3.5 | 0.0 | 3.5 | 3.5 | 3.5 | 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: P584572

CATALOG NUMBER: HCC8W40D010MB-HM82555840-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 | 2320.0 |
| 2.5° | 2274.9 | 2274.9 | 2271.5 | 2274.9 | 2268.0 | 2271.5 | 2268.0 | 2268.0 |
| 5° | 2222.9 | 2216.0 | 2216.0 | 2216.0 | 2212.6 | 2212.6 | 2209.0 | 2209.0 |
| 7.5° | 2160.4 | 2157.0 | 2153.5 | 2150.1 | 2146.6 | 2143.2 | 2143.2 | 2143.2 |
| 10° | 2098.1 | 2091.2 | 2091.2 | 2087.6 | 2080.7 | 2077.3 | 2077.3 | 2077.3 |
| 12.5° | 2025.3 | 2021.8 | 2018.4 | 2018.4 | 2004.4 | 2007.9 | 2004.4 | 2004.4 |
| 15° | 1955.9 | 1952.4 | 1952.4 | 1942.1 | 1935.1 | 1935.1 | 1935.1 | 1931.6 |
| 17.5° | 1883.1 | 1879.6 | 1876.2 | 1869.3 | 1862.2 | 1862.2 | 1858.8 | 1862.2 |
| 20° | 1806.8 | 1803.3 | 1796.4 | 1796.4 | 1792.9 | 1789.4 | 1782.5 | 1786.0 |
| 22.5° | 1730.5 | 1723.6 | 1720.0 | 1720.0 | 1716.6 | 1716.6 | 1709.7 | 1709.7 |
| 25° | 1650.8 | 1647.2 | 1643.7 | 1647.2 | 1640.3 | 1640.3 | 1633.4 | 1633.4 |
| 27.5° | 1567.5 | 1564.0 | 1564.0 | 1564.0 | 1560.6 | 1564.0 | 1560.6 | 1560.6 |
| 30° | 1484.3 | 1484.3 | 1480.8 | 1480.8 | 1484.3 | 1480.8 | 1484.3 | 1487.7 |
| 32.5° | 1394.1 | 1394.1 | 1397.5 | 1397.5 | 1401.0 | 1401.0 | 1401.0 | 1401.0 |
| 35° | 1300.4 | 1307.5 | 1307.5 | 1310.9 | 1314.4 | 1317.8 | 1317.8 | 1321.3 |
| 37.5° | 1213.8 | 1217.3 | 1220.7 | 1224.2 | 1231.1 | 1231.1 | 1231.1 | 1231.1 |
| 40° | 1120.1 | 1123.6 | 1130.5 | 1127.0 | 1141.0 | 1144.4 | 1141.0 | 1141.0 |
| 42.5° | 1023.0 | 1029.9 | 1033.4 | 1040.4 | 1043.9 | 1050.8 | 1054.2 | 1054.2 |
| 45° | 932.8 | 936.3 | 943.3 | 950.2 | 953.7 | 964.0 | 964.0 | 964.0 |
| 47.5° | 839.2 | 846.2 | 849.7 | 856.6 | 860.0 | 870.5 | 873.9 | 870.5 |
| 50° | 749.1 | 756.0 | 762.9 | 762.9 | 773.4 | 776.8 | 783.7 | 787.2 |
| 52.5° | 662.4 | 665.8 | 672.8 | 676.3 | 683.2 | 690.1 | 693.5 | 697.1 |
| 55° | 579.2 | 582.6 | 589.5 | 589.5 | 600.0 | 603.4 | 610.4 | 610.4 |
| 57.5° | 502.9 | 506.3 | 513.2 | 509.8 | 516.7 | 523.6 | 523.6 | 520.1 |
| 60° | 430.1 | 430.1 | 430.1 | 437.0 | 440.4 | 443.9 | 447.3 | 447.3 |
| 62.5° | 353.7 | 360.7 | 364.1 | 364.1 | 367.6 | 371.0 | 371.0 | 367.6 |
| 65° | 284.4 | 291.3 | 294.8 | 294.8 | 298.2 | 298.2 | 298.2 | 301.7 |
| 67.5° | 215.0 | 215.0 | 215.0 | 218.5 | 215.0 | 215.0 | 215.0 | 215.0 |
| 70° | 135.3 | 135.3 | 135.3 | 135.3 | 131.7 | 135.3 | 135.3 | 138.8 |
| 72.5° | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 75° | 31.2 | 31.2 | 31.2 | 34.6 | 31.2 | 31.2 | 31.2 | 31.2 |
| 77.5° | 13.9 | 10.4 | 13.9 | 13.9 | 10.4 | 10.4 | 10.4 | 10.4 |
| 80° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 82.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 85° | 0.0 | 3.5 | 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)