

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: P585007

Luminaire Tested: **HCC8S55D010MB-HM82555930-81RWWC**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585007
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: HCC8S55D010MB-HM82555930-81RWWC
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, SPECULAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

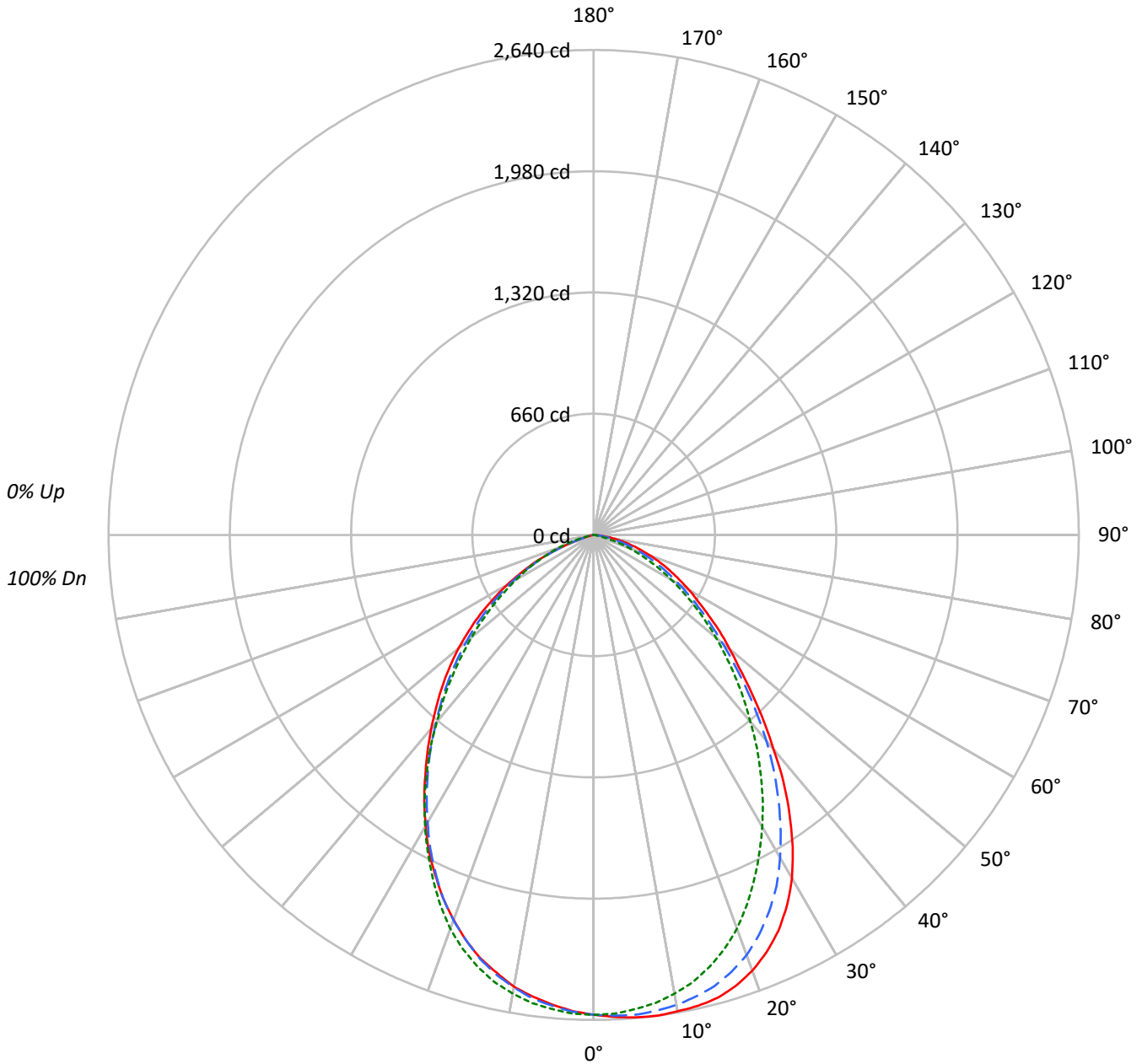
Lumens per Lamp: N/A
Luminaire Lumens: 4964.4 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.08 / 1.17
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
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: P585007
CATALOG NUMBER: HCC8S55D010MB-HM82555930-81RWWC

Luminous Intensity Polar Plot



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



TEST NUMBER: P585007

CATALOG NUMBER: HCC8S55D010MB-HM82555930-81RWWC

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° | 80544 | 80544 | 80544 |
| 5° | 81610 | 80208 | 79453 |
| 10° | 82445 | 79388 | 78189 |
| 15° | 83277 | 77710 | 76152 |
| 20° | 82859 | 74845 | 73126 |
| 25° | 80926 | 70362 | 69413 |
| 30° | 76864 | 65317 | 65068 |
| 35° | 69973 | 59602 | 60125 |
| 40° | 61351 | 53345 | 55313 |
| 45° | 52924 | 47451 | 50800 |
| 50° | 46342 | 41655 | 46006 |
| 55° | 41063 | 35805 | 40493 |
| 60° | 36991 | 30115 | 33550 |
| 65° | 33330 | 24173 | 25698 |
| 70° | 29239 | 17608 | 14146 |
| 75° | 24925 | 9150 | 3741 |
| 80° | 19196 | 2468 | 622 |
| 85° | 12348 | 0 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 246.4 | 5.0 |
| 10°-20° | 692.8 | 14.0 |
| 20°-30° | 983.4 | 19.8 |
| 30°-40° | 1035.1 | 20.9 |
| 40°-50° | 880.6 | 17.7 |
| 50°-60° | 636.3 | 12.8 |
| 60°-70° | 361.9 | 7.3 |
| 70°-80° | 114.0 | 2.3 |
| 80°-90° | 13.9 | 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° | 1922.6 | 38.7 |
| 0°-40° | 2957.7 | 59.6 |
| 0°-60° | 4474.6 | 90.1 |
| 0°-90° | 4964.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4964.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2612 | 2612 | 2612 | 2612 | 2612 | |
| 5° | 2636 | 2623 | 2591 | 2574 | 2567 | 252 |
| 15° | 2609 | 2542 | 2434 | 2389 | 2385 | 735 |
| 25° | 2378 | 2260 | 2068 | 2033 | 2040 | 1089 |
| 35° | 1859 | 1751 | 1583 | 1573 | 1597 | 1157 |
| 45° | 1214 | 1168 | 1088 | 1116 | 1165 | 943 |
| 55° | 764 | 708 | 666 | 704 | 753 | 689 |
| 65° | 457 | 394 | 331 | 328 | 352 | 453 |
| 75° | 209 | 160 | 77 | 35 | 31 | 225 |
| 85° | 35 | 21 | 0 | 0 | 0 | 45 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P585007

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 |
| 2.5° | 2626.0 | 2629.5 | 2622.6 | 2622.6 | 2629.5 | 2622.6 | 2626.0 | 2626.0 | 2622.6 | 2622.6 | 2619.1 |
| 5° | 2636.5 | 2633.0 | 2633.0 | 2633.0 | 2636.5 | 2629.5 | 2626.0 | 2629.5 | 2622.6 | 2622.6 | 2622.6 |
| 7.5° | 2640.0 | 2640.0 | 2636.5 | 2633.0 | 2633.0 | 2633.0 | 2629.5 | 2626.0 | 2622.6 | 2615.6 | 2612.0 |
| 10° | 2633.0 | 2633.0 | 2636.5 | 2629.5 | 2629.5 | 2622.6 | 2622.6 | 2615.6 | 2615.6 | 2608.6 | 2598.1 |
| 12.5° | 2626.0 | 2622.6 | 2622.6 | 2615.6 | 2615.6 | 2608.6 | 2608.6 | 2598.1 | 2594.7 | 2584.1 | 2573.7 |
| 15° | 2608.6 | 2605.1 | 2598.1 | 2594.7 | 2591.2 | 2587.7 | 2580.7 | 2577.2 | 2566.8 | 2552.9 | 2542.3 |
| 17.5° | 2573.7 | 2570.2 | 2566.8 | 2559.8 | 2552.9 | 2549.3 | 2545.8 | 2535.4 | 2521.4 | 2511.0 | 2493.5 |
| 20° | 2525.0 | 2521.4 | 2521.4 | 2511.0 | 2507.5 | 2497.1 | 2493.5 | 2479.6 | 2469.1 | 2448.2 | 2434.2 |
| 22.5° | 2458.6 | 2462.1 | 2455.1 | 2448.2 | 2441.2 | 2430.7 | 2423.8 | 2409.9 | 2392.4 | 2371.4 | 2354.1 |
| 25° | 2378.5 | 2382.0 | 2374.9 | 2368.0 | 2357.5 | 2350.6 | 2343.5 | 2322.7 | 2305.2 | 2280.8 | 2259.9 |
| 27.5° | 2277.3 | 2277.3 | 2277.3 | 2270.3 | 2252.9 | 2249.4 | 2242.4 | 2221.5 | 2197.0 | 2176.2 | 2155.2 |
| 30° | 2158.7 | 2155.2 | 2155.2 | 2144.8 | 2137.8 | 2123.9 | 2113.4 | 2096.0 | 2078.5 | 2054.0 | 2029.7 |
| 32.5° | 2015.7 | 2019.2 | 2008.8 | 2001.8 | 1991.3 | 1991.3 | 1977.4 | 1963.5 | 1942.5 | 1918.1 | 1893.7 |
| 35° | 1858.8 | 1862.3 | 1855.3 | 1851.9 | 1834.4 | 1830.9 | 1827.4 | 1810.0 | 1796.0 | 1778.6 | 1750.7 |
| 37.5° | 1698.3 | 1694.9 | 1691.4 | 1691.4 | 1681.0 | 1674.0 | 1667.1 | 1656.5 | 1635.6 | 1621.7 | 1607.7 |
| 40° | 1524.1 | 1524.1 | 1524.1 | 1520.6 | 1517.0 | 1510.0 | 1506.6 | 1499.6 | 1485.6 | 1471.7 | 1461.2 |
| 42.5° | 1367.0 | 1367.0 | 1363.6 | 1360.1 | 1353.1 | 1356.6 | 1349.7 | 1342.6 | 1328.7 | 1318.3 | 1311.2 |
| 45° | 1213.6 | 1213.6 | 1213.6 | 1217.1 | 1210.1 | 1199.7 | 1199.7 | 1192.7 | 1185.7 | 1178.8 | 1168.2 |
| 47.5° | 1077.7 | 1088.1 | 1081.1 | 1077.7 | 1081.1 | 1067.1 | 1067.1 | 1060.2 | 1053.2 | 1046.2 | 1032.3 |
| 50° | 966.0 | 966.0 | 966.0 | 959.0 | 955.5 | 955.5 | 945.1 | 938.1 | 934.7 | 927.6 | 913.7 |
| 52.5° | 864.9 | 857.9 | 857.9 | 854.4 | 851.0 | 844.0 | 844.0 | 837.0 | 823.0 | 816.1 | 805.6 |
| 55° | 763.8 | 763.8 | 760.3 | 756.8 | 753.2 | 749.8 | 746.3 | 735.9 | 728.9 | 718.4 | 708.0 |
| 57.5° | 673.1 | 680.0 | 676.6 | 669.6 | 662.6 | 662.6 | 655.6 | 648.7 | 638.2 | 627.7 | 617.3 |
| 60° | 599.8 | 596.3 | 596.3 | 592.9 | 585.9 | 582.4 | 579.0 | 568.4 | 558.0 | 547.6 | 537.0 |
| 62.5° | 523.1 | 523.1 | 523.1 | 516.1 | 509.1 | 505.7 | 502.2 | 495.2 | 481.2 | 470.8 | 463.9 |
| 65° | 456.8 | 453.3 | 449.9 | 446.4 | 442.9 | 436.0 | 432.5 | 425.4 | 415.0 | 404.6 | 394.0 |
| 67.5° | 390.6 | 387.1 | 387.1 | 383.6 | 373.2 | 369.6 | 369.6 | 359.2 | 348.8 | 338.2 | 327.8 |
| 70° | 324.3 | 324.3 | 324.3 | 317.4 | 313.9 | 310.3 | 306.9 | 299.9 | 289.5 | 279.1 | 268.5 |
| 72.5° | 268.5 | 265.0 | 265.0 | 261.6 | 251.0 | 247.6 | 244.1 | 237.1 | 226.7 | 219.8 | 212.7 |
| 75° | 209.2 | 209.2 | 205.8 | 202.3 | 198.8 | 195.3 | 191.9 | 184.8 | 174.4 | 164.0 | 160.4 |
| 77.5° | 160.4 | 156.9 | 156.9 | 153.4 | 146.5 | 143.0 | 143.0 | 136.0 | 125.5 | 118.6 | 111.6 |
| 80° | 108.1 | 111.6 | 108.1 | 104.7 | 101.1 | 97.6 | 94.1 | 90.7 | 83.7 | 76.8 | 69.7 |
| 82.5° | 66.2 | 69.7 | 66.2 | 66.2 | 62.8 | 59.3 | 59.3 | 52.3 | 48.9 | 45.4 | 41.8 |
| 85° | 34.9 | 34.9 | 34.9 | 34.9 | 31.4 | 31.4 | 31.4 | 27.9 | 24.4 | 21.0 | 21.0 |
| 87.5° | 10.4 | 13.9 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 7.0 | 7.0 | 7.0 |
| 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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CATALOG NUMBER: HCC8S55D010MB-HM82555930-81RWWC

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 |
| 2.5° | 2622.6 | 2619.1 | 2615.6 | 2615.6 | 2615.6 | 2615.6 | 2615.6 | 2612.0 | 2608.6 | 2608.6 | 2608.6 |
| 5° | 2615.6 | 2615.6 | 2615.6 | 2612.0 | 2608.6 | 2608.6 | 2601.6 | 2598.1 | 2594.7 | 2591.2 | 2587.7 |
| 7.5° | 2608.6 | 2601.6 | 2598.1 | 2594.7 | 2591.2 | 2591.2 | 2584.1 | 2577.2 | 2577.2 | 2570.2 | 2563.3 |
| 10° | 2587.7 | 2584.1 | 2577.2 | 2570.2 | 2566.8 | 2563.3 | 2556.2 | 2545.8 | 2542.3 | 2535.4 | 2528.4 |
| 12.5° | 2563.3 | 2556.2 | 2549.3 | 2535.4 | 2531.9 | 2528.4 | 2514.4 | 2504.0 | 2497.1 | 2493.5 | 2476.1 |
| 15° | 2531.9 | 2517.9 | 2507.5 | 2490.0 | 2486.5 | 2479.6 | 2469.1 | 2458.6 | 2444.7 | 2434.2 | 2427.2 |
| 17.5° | 2476.1 | 2462.1 | 2444.7 | 2427.2 | 2420.3 | 2420.3 | 2402.8 | 2388.9 | 2371.4 | 2364.5 | 2350.6 |
| 20° | 2409.9 | 2392.4 | 2378.5 | 2357.5 | 2347.0 | 2336.6 | 2326.1 | 2305.2 | 2291.3 | 2280.8 | 2263.4 |
| 22.5° | 2333.1 | 2308.7 | 2291.3 | 2270.3 | 2252.9 | 2242.4 | 2225.0 | 2207.6 | 2190.1 | 2179.7 | 2165.7 |
| 25° | 2235.5 | 2214.5 | 2186.6 | 2165.7 | 2155.2 | 2141.2 | 2120.4 | 2102.9 | 2085.5 | 2068.0 | 2061.1 |
| 27.5° | 2127.3 | 2099.4 | 2075.0 | 2050.6 | 2040.1 | 2029.7 | 2005.3 | 1984.3 | 1970.4 | 1953.0 | 1946.0 |
| 30° | 2008.8 | 1980.9 | 1953.0 | 1932.0 | 1921.6 | 1904.1 | 1890.2 | 1865.8 | 1848.4 | 1834.4 | 1817.0 |
| 32.5° | 1872.7 | 1851.9 | 1827.4 | 1796.0 | 1789.1 | 1775.1 | 1754.1 | 1743.7 | 1722.8 | 1712.3 | 1698.3 |
| 35° | 1726.2 | 1712.3 | 1687.9 | 1663.5 | 1653.0 | 1646.1 | 1628.6 | 1607.7 | 1593.8 | 1583.3 | 1576.3 |
| 37.5° | 1586.8 | 1569.3 | 1544.9 | 1527.5 | 1520.6 | 1510.0 | 1489.1 | 1478.7 | 1464.8 | 1457.7 | 1443.8 |
| 40° | 1436.9 | 1419.4 | 1401.9 | 1391.5 | 1381.0 | 1374.1 | 1360.1 | 1349.7 | 1335.7 | 1325.2 | 1321.8 |
| 42.5° | 1290.4 | 1279.9 | 1266.0 | 1252.0 | 1248.5 | 1238.0 | 1231.1 | 1220.6 | 1210.1 | 1206.7 | 1196.1 |
| 45° | 1157.8 | 1147.4 | 1133.4 | 1119.5 | 1116.0 | 1109.1 | 1105.5 | 1095.0 | 1088.1 | 1088.1 | 1088.1 |
| 47.5° | 1025.3 | 1014.8 | 1000.9 | 994.0 | 997.4 | 983.4 | 983.4 | 980.0 | 973.0 | 973.0 | 976.5 |
| 50° | 906.8 | 892.8 | 889.3 | 882.3 | 875.4 | 868.3 | 871.9 | 861.4 | 861.4 | 868.3 | 864.9 |
| 52.5° | 795.1 | 781.1 | 777.7 | 770.7 | 767.2 | 767.2 | 763.8 | 763.8 | 760.3 | 763.8 | 763.8 |
| 55° | 694.1 | 683.5 | 676.6 | 669.6 | 666.0 | 666.0 | 666.0 | 662.6 | 659.1 | 666.0 | 669.6 |
| 57.5° | 603.3 | 599.8 | 592.9 | 582.4 | 579.0 | 575.5 | 571.9 | 571.9 | 571.9 | 571.9 | 575.5 |
| 60° | 523.1 | 516.1 | 509.1 | 498.7 | 498.7 | 495.2 | 491.8 | 488.3 | 488.3 | 488.3 | 488.3 |
| 62.5° | 453.3 | 442.9 | 432.5 | 425.4 | 422.0 | 418.5 | 415.0 | 408.0 | 408.0 | 408.0 | 408.0 |
| 65° | 383.6 | 373.2 | 366.1 | 359.2 | 352.2 | 352.2 | 345.3 | 341.8 | 334.8 | 331.3 | 324.3 |
| 67.5° | 317.4 | 310.3 | 303.4 | 293.0 | 289.5 | 286.0 | 279.1 | 275.5 | 265.0 | 261.6 | 258.1 |
| 70° | 258.1 | 247.6 | 240.6 | 233.7 | 230.2 | 223.1 | 216.2 | 209.2 | 202.3 | 195.3 | 188.3 |
| 72.5° | 202.3 | 191.9 | 184.8 | 177.9 | 170.9 | 170.9 | 160.4 | 153.4 | 143.0 | 136.0 | 125.5 |
| 75° | 150.0 | 139.5 | 132.6 | 122.0 | 118.6 | 115.1 | 104.7 | 97.6 | 87.2 | 76.8 | 69.7 |
| 77.5° | 101.1 | 94.1 | 87.2 | 76.8 | 69.7 | 69.7 | 59.3 | 52.3 | 45.4 | 34.9 | 31.4 |
| 80° | 62.8 | 55.8 | 48.9 | 41.8 | 41.8 | 34.9 | 31.4 | 24.4 | 17.5 | 13.9 | 10.4 |
| 82.5° | 34.9 | 31.4 | 27.9 | 21.0 | 21.0 | 17.5 | 13.9 | 10.4 | 7.0 | 3.5 | 3.5 |
| 85° | 17.5 | 13.9 | 10.4 | 10.4 | 7.0 | 7.0 | 7.0 | 3.5 | 3.5 | 0.0 | 0.0 |
| 87.5° | 7.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 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: P585007

CATALOG NUMBER: HCC8S55D010MB-HM82555930-81RWWC

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 |
| 2.5° | 2605.1 | 2605.1 | 2601.6 | 2601.6 | 2601.6 | 2598.1 | 2601.6 | 2598.1 | 2598.1 | 2598.1 | 2601.6 |
| 5° | 2591.2 | 2584.1 | 2584.1 | 2580.7 | 2580.7 | 2577.2 | 2580.7 | 2577.2 | 2573.7 | 2570.2 | 2573.7 |
| 7.5° | 2563.3 | 2556.2 | 2552.9 | 2549.3 | 2549.3 | 2549.3 | 2545.8 | 2542.3 | 2545.8 | 2535.4 | 2542.3 |
| 10° | 2525.0 | 2521.4 | 2514.4 | 2511.0 | 2507.5 | 2511.0 | 2507.5 | 2500.5 | 2500.5 | 2500.5 | 2497.1 |
| 12.5° | 2476.1 | 2469.1 | 2465.7 | 2462.1 | 2455.1 | 2455.1 | 2458.6 | 2451.7 | 2451.7 | 2444.7 | 2444.7 |
| 15° | 2416.8 | 2409.9 | 2402.8 | 2402.8 | 2395.9 | 2395.9 | 2392.4 | 2392.4 | 2388.9 | 2385.4 | 2385.4 |
| 17.5° | 2343.5 | 2333.1 | 2326.1 | 2329.6 | 2326.1 | 2322.7 | 2322.7 | 2315.6 | 2312.1 | 2315.6 | 2315.6 |
| 20° | 2256.3 | 2249.4 | 2242.4 | 2245.9 | 2239.0 | 2235.5 | 2239.0 | 2228.4 | 2232.0 | 2232.0 | 2232.0 |
| 22.5° | 2158.7 | 2155.2 | 2144.8 | 2144.8 | 2137.8 | 2134.3 | 2137.8 | 2137.8 | 2141.2 | 2137.8 | 2137.8 |
| 25° | 2050.6 | 2043.6 | 2036.7 | 2036.7 | 2033.2 | 2029.7 | 2033.2 | 2036.7 | 2033.2 | 2036.7 | 2036.7 |
| 27.5° | 1935.6 | 1925.0 | 1925.0 | 1918.1 | 1918.1 | 1921.6 | 1918.1 | 1921.6 | 1925.0 | 1925.0 | 1932.0 |
| 30° | 1810.0 | 1806.5 | 1803.0 | 1799.5 | 1799.5 | 1803.0 | 1803.0 | 1803.0 | 1806.5 | 1813.4 | 1813.4 |
| 32.5° | 1691.4 | 1684.4 | 1677.5 | 1677.5 | 1684.4 | 1681.0 | 1684.4 | 1684.4 | 1691.4 | 1691.4 | 1698.3 |
| 35° | 1562.4 | 1562.4 | 1555.4 | 1558.9 | 1558.9 | 1558.9 | 1558.9 | 1565.9 | 1572.8 | 1576.3 | 1583.3 |
| 37.5° | 1443.8 | 1433.4 | 1436.9 | 1436.9 | 1440.3 | 1436.9 | 1447.3 | 1447.3 | 1454.2 | 1454.2 | 1461.2 |
| 40° | 1314.7 | 1314.7 | 1318.3 | 1314.7 | 1318.3 | 1318.3 | 1325.2 | 1332.2 | 1335.7 | 1342.6 | 1346.2 |
| 42.5° | 1192.7 | 1199.7 | 1192.7 | 1196.1 | 1199.7 | 1203.2 | 1206.7 | 1210.1 | 1224.0 | 1231.1 | 1241.5 |
| 45° | 1081.1 | 1084.6 | 1088.1 | 1091.6 | 1088.1 | 1095.0 | 1098.5 | 1105.5 | 1116.0 | 1119.5 | 1123.0 |
| 47.5° | 973.0 | 976.5 | 980.0 | 983.4 | 983.4 | 990.5 | 994.0 | 1000.9 | 1007.9 | 1011.3 | 1014.8 |
| 50° | 868.3 | 875.4 | 878.9 | 878.9 | 882.3 | 889.3 | 896.2 | 896.2 | 903.3 | 913.7 | 917.2 |
| 52.5° | 774.2 | 774.2 | 781.1 | 784.7 | 788.2 | 788.2 | 798.6 | 802.1 | 805.6 | 812.5 | 819.6 |
| 55° | 669.6 | 680.0 | 683.5 | 683.5 | 690.5 | 697.5 | 701.0 | 704.5 | 704.5 | 718.4 | 718.4 |
| 57.5° | 579.0 | 582.4 | 589.4 | 589.4 | 589.4 | 599.8 | 599.8 | 606.9 | 610.3 | 613.8 | 620.8 |
| 60° | 488.3 | 495.2 | 495.2 | 498.7 | 495.2 | 502.2 | 505.7 | 512.6 | 516.1 | 519.7 | 523.1 |
| 62.5° | 404.6 | 404.6 | 408.0 | 408.0 | 408.0 | 408.0 | 415.0 | 415.0 | 422.0 | 425.4 | 429.0 |
| 65° | 324.3 | 324.3 | 324.3 | 324.3 | 324.3 | 324.3 | 324.3 | 324.3 | 327.8 | 327.8 | 334.8 |
| 67.5° | 251.0 | 247.6 | 240.6 | 244.1 | 240.6 | 240.6 | 237.1 | 237.1 | 240.6 | 240.6 | 247.6 |
| 70° | 181.3 | 177.9 | 170.9 | 170.9 | 167.4 | 164.0 | 160.4 | 156.9 | 153.4 | 153.4 | 153.4 |
| 72.5° | 118.6 | 111.6 | 101.1 | 97.6 | 97.6 | 90.7 | 83.7 | 80.2 | 80.2 | 80.2 | 80.2 |
| 75° | 59.3 | 52.3 | 45.4 | 41.8 | 41.8 | 34.9 | 38.3 | 34.9 | 34.9 | 34.9 | 34.9 |
| 77.5° | 24.4 | 17.5 | 13.9 | 13.9 | 13.9 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 | 10.4 |
| 80° | 7.0 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 82.5° | 3.5 | 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: P585007

CATALOG NUMBER: HCC8S55D010MB-HM82555930-81RWWC

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 | 2612.0 |
| 2.5° | 2598.1 | 2598.1 | 2591.2 | 2594.7 | 2594.7 | 2594.7 | 2594.7 | 2594.7 |
| 5° | 2566.8 | 2570.2 | 2566.8 | 2570.2 | 2570.2 | 2566.8 | 2566.8 | 2566.8 |
| 7.5° | 2535.4 | 2538.9 | 2535.4 | 2538.9 | 2538.9 | 2538.9 | 2535.4 | 2535.4 |
| 10° | 2497.1 | 2497.1 | 2497.1 | 2497.1 | 2497.1 | 2493.5 | 2497.1 | 2497.1 |
| 12.5° | 2444.7 | 2444.7 | 2444.7 | 2448.2 | 2448.2 | 2444.7 | 2444.7 | 2441.2 |
| 15° | 2388.9 | 2382.0 | 2385.4 | 2388.9 | 2385.4 | 2385.4 | 2385.4 | 2385.4 |
| 17.5° | 2312.1 | 2315.6 | 2312.1 | 2312.1 | 2312.1 | 2312.1 | 2315.6 | 2312.1 |
| 20° | 2232.0 | 2232.0 | 2235.5 | 2232.0 | 2232.0 | 2232.0 | 2232.0 | 2228.4 |
| 22.5° | 2141.2 | 2137.8 | 2137.8 | 2141.2 | 2141.2 | 2137.8 | 2141.2 | 2141.2 |
| 25° | 2040.1 | 2043.6 | 2040.1 | 2040.1 | 2043.6 | 2043.6 | 2043.6 | 2040.1 |
| 27.5° | 1932.0 | 1935.6 | 1939.1 | 1935.6 | 1935.6 | 1935.6 | 1939.1 | 1942.5 |
| 30° | 1820.5 | 1827.4 | 1820.5 | 1820.5 | 1827.4 | 1824.0 | 1827.4 | 1827.4 |
| 32.5° | 1701.9 | 1712.3 | 1705.4 | 1712.3 | 1712.3 | 1715.8 | 1712.3 | 1715.8 |
| 35° | 1583.3 | 1593.8 | 1593.8 | 1593.8 | 1597.2 | 1600.7 | 1600.7 | 1597.2 |
| 37.5° | 1471.7 | 1475.2 | 1475.2 | 1482.1 | 1485.6 | 1489.1 | 1489.1 | 1485.6 |
| 40° | 1356.6 | 1363.6 | 1367.0 | 1367.0 | 1367.0 | 1374.1 | 1381.0 | 1374.1 |
| 42.5° | 1245.0 | 1248.5 | 1252.0 | 1252.0 | 1259.0 | 1262.5 | 1266.0 | 1266.0 |
| 45° | 1137.0 | 1143.9 | 1147.4 | 1150.9 | 1154.3 | 1161.3 | 1157.8 | 1164.9 |
| 47.5° | 1025.3 | 1035.8 | 1039.2 | 1042.7 | 1049.8 | 1053.2 | 1056.7 | 1060.2 |
| 50° | 924.1 | 931.2 | 931.2 | 938.1 | 948.6 | 948.6 | 955.5 | 959.0 |
| 52.5° | 823.0 | 826.5 | 830.0 | 833.5 | 840.4 | 847.5 | 847.5 | 854.4 |
| 55° | 725.4 | 728.9 | 728.9 | 732.4 | 735.9 | 749.8 | 753.2 | 753.2 |
| 57.5° | 624.2 | 624.2 | 631.2 | 634.8 | 638.2 | 645.2 | 645.2 | 645.2 |
| 60° | 526.6 | 530.1 | 530.1 | 533.6 | 537.0 | 544.0 | 547.6 | 544.0 |
| 62.5° | 429.0 | 432.5 | 432.5 | 436.0 | 442.9 | 446.4 | 442.9 | 442.9 |
| 65° | 338.2 | 341.8 | 341.8 | 345.3 | 352.2 | 352.2 | 348.8 | 352.2 |
| 67.5° | 247.6 | 247.6 | 247.6 | 247.6 | 247.6 | 247.6 | 247.6 | 247.6 |
| 70° | 156.9 | 153.4 | 150.0 | 153.4 | 153.4 | 153.4 | 150.0 | 156.9 |
| 72.5° | 76.8 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 76.8 |
| 75° | 34.9 | 34.9 | 31.4 | 31.4 | 31.4 | 34.9 | 34.9 | 31.4 |
| 77.5° | 10.4 | 10.4 | 10.4 | 10.4 | 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° | 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
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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)