

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: P585014

Luminaire Tested: **HCC8S55D010BZ-HM82555930-81WWBB**

Issue Date: 10/21/2021

**Test Information**

Test Method: LM-41-14  
Report Number: P585014  
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: HCC8S55D010BZ-HM82555930-81WWBB  
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT CYLINDER  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

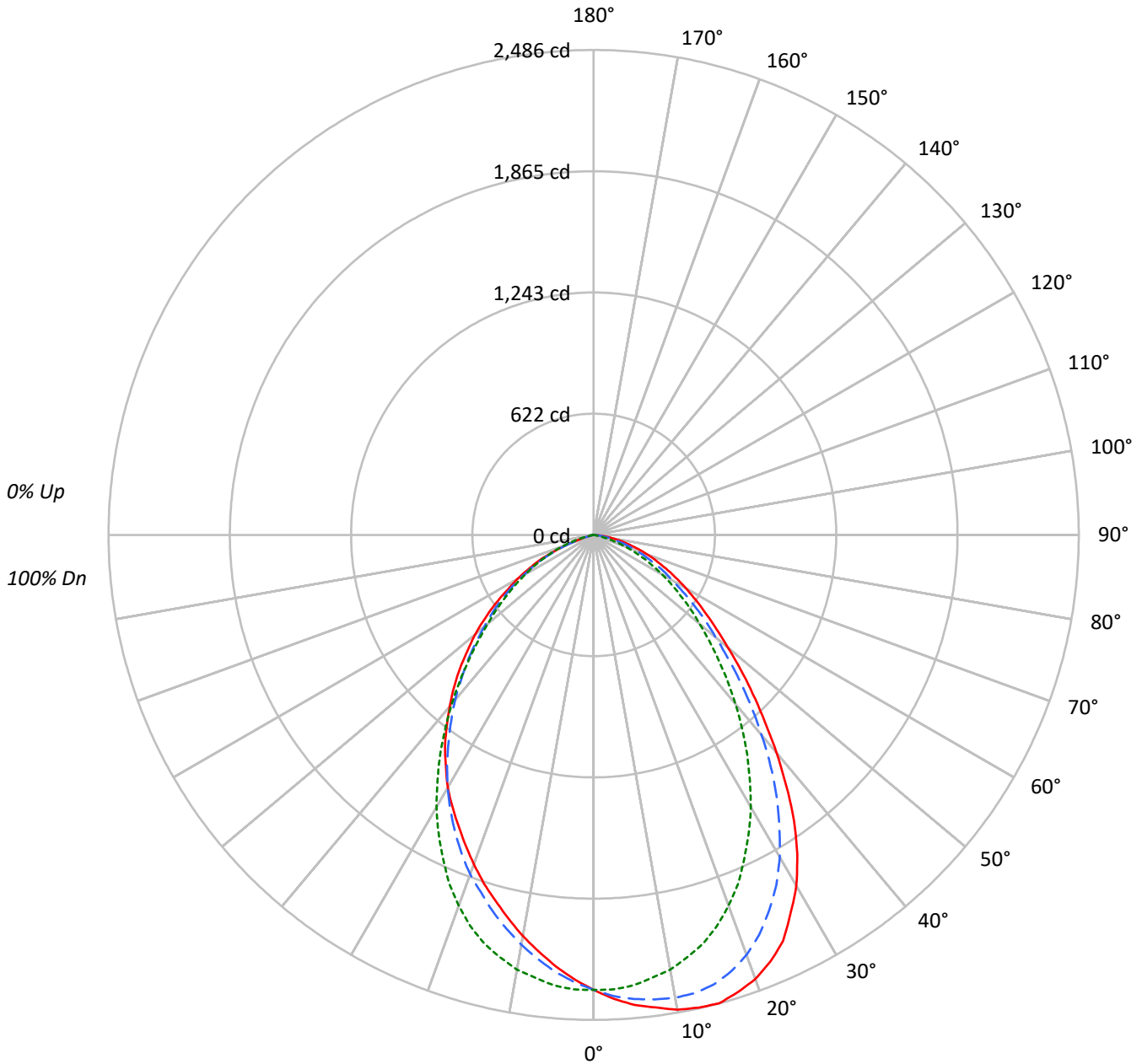
Lumens per Lamp: N/A  
Luminaire Lumens: 4343.9 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16  
Luminous Opening: Circular (Dia: 0.67' x H: 0')  
CIE Type: Direct

Input Watts (W): 52  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



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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°  | 71910 | 71910 | 71910 |
| 5°  | 74884 | 71755 | 68734 |
| 10° | 77388 | 70837 | 65379 |
| 15° | 79347 | 69218 | 61987 |
| 20° | 79498 | 66346 | 58913 |
| 25° | 78160 | 62148 | 55864 |
| 30° | 73976 | 57341 | 53250 |
| 35° | 67451 | 51573 | 49995 |
| 40° | 58654 | 45467 | 46163 |
| 45° | 50316 | 39370 | 42262 |
| 50° | 42979 | 33950 | 37961 |
| 55° | 37665 | 29235 | 32983 |
| 60° | 33538 | 24934 | 27734 |
| 65° | 29762 | 20343 | 22130 |
| 70° | 26399 | 15093 | 12577 |
| 75° | 22006 | 7887  | 3741  |
| 80° | 17332 | 2468  | 622   |
| 85° | 12312 | 1238  | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 219.7  | 5.1       |
| 10°-20°   | 615.9  | 14.2      |
| 20°-30°   | 871.7  | 20.1      |
| 30°-40°   | 912.0  | 21.0      |
| 40°-50°   | 760.7  | 17.5      |
| 50°-60°   | 539.4  | 12.4      |
| 60°-70°   | 310.7  | 7.2       |
| 70°-80°   | 100.0  | 2.3       |
| 80°-90°   | 13.8   | 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°    | 1707.4 | 39.3      |
| 0°-40°    | 2619.4 | 60.3      |
| 0°-60°    | 3919.5 | 90.2      |
| 0°-90°    | 4343.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4343.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 2332 | 2332 | 2332 | 2332 | 2332 |      |
| 5°  | 2419 | 2388 | 2318 | 2248 | 2220 | 232  |
| 15° | 2486 | 2384 | 2168 | 1997 | 1942 | 699  |
| 25° | 2297 | 2126 | 1827 | 1680 | 1642 | 1048 |
| 35° | 1792 | 1635 | 1370 | 1297 | 1328 | 1111 |
| 45° | 1154 | 1060 | 903  | 913  | 969  | 894  |
| 55° | 701  | 628  | 544  | 572  | 614  | 633  |
| 65° | 408  | 342  | 279  | 279  | 303  | 408  |
| 75° | 185  | 136  | 66   | 31   | 31   | 200  |
| 85° | 35   | 18   | 4    | 0    | 0    | 44   |
| 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°    | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 |
| 2.5°  | 2380.8 | 2377.4 | 2373.9 | 2377.4 | 2373.9 | 2377.4 | 2373.9 | 2373.9 | 2370.4 | 2366.9 | 2366.9 |
| 5°    | 2419.2 | 2415.7 | 2415.7 | 2415.7 | 2412.2 | 2408.7 | 2408.7 | 2405.3 | 2398.3 | 2394.7 | 2387.8 |
| 7.5°  | 2443.6 | 2447.1 | 2447.1 | 2447.1 | 2440.1 | 2440.1 | 2433.2 | 2426.2 | 2419.2 | 2412.2 | 2401.8 |
| 10°   | 2471.5 | 2471.5 | 2468.0 | 2464.5 | 2457.6 | 2454.1 | 2450.5 | 2443.6 | 2433.2 | 2419.2 | 2408.7 |
| 12.5° | 2481.9 | 2481.9 | 2478.4 | 2471.5 | 2468.0 | 2464.5 | 2461.1 | 2450.5 | 2436.6 | 2419.2 | 2405.3 |
| 15°   | 2485.5 | 2478.4 | 2475.0 | 2471.5 | 2464.5 | 2454.1 | 2454.1 | 2440.1 | 2422.6 | 2401.8 | 2384.3 |
| 17.5° | 2457.6 | 2461.1 | 2454.1 | 2447.1 | 2436.6 | 2429.7 | 2419.2 | 2408.7 | 2387.8 | 2363.5 | 2346.0 |
| 20°   | 2422.6 | 2419.2 | 2415.7 | 2405.3 | 2391.3 | 2387.8 | 2377.4 | 2359.9 | 2342.5 | 2314.6 | 2290.2 |
| 22.5° | 2366.9 | 2363.5 | 2356.4 | 2349.5 | 2335.6 | 2328.5 | 2318.1 | 2297.2 | 2272.7 | 2244.8 | 2217.1 |
| 25°   | 2297.2 | 2290.2 | 2279.8 | 2265.8 | 2255.4 | 2248.4 | 2234.4 | 2213.6 | 2185.7 | 2154.3 | 2126.4 |
| 27.5° | 2185.7 | 2196.1 | 2189.2 | 2168.2 | 2157.8 | 2143.8 | 2140.3 | 2112.4 | 2088.0 | 2056.6 | 2025.3 |
| 30°   | 2077.6 | 2077.6 | 2067.2 | 2056.6 | 2039.3 | 2028.7 | 2014.8 | 1993.9 | 1969.5 | 1931.2 | 1906.7 |
| 32.5° | 1941.7 | 1938.1 | 1924.2 | 1920.7 | 1906.7 | 1885.9 | 1882.3 | 1854.5 | 1830.1 | 1802.2 | 1770.8 |
| 35°   | 1791.8 | 1784.7 | 1770.8 | 1760.3 | 1753.4 | 1742.9 | 1732.5 | 1708.1 | 1683.7 | 1655.8 | 1634.8 |
| 37.5° | 1620.9 | 1620.9 | 1617.5 | 1600.0 | 1593.1 | 1586.1 | 1575.6 | 1551.3 | 1537.3 | 1509.4 | 1488.4 |
| 40°   | 1457.1 | 1453.6 | 1443.2 | 1439.7 | 1432.7 | 1422.2 | 1415.3 | 1401.4 | 1380.4 | 1359.5 | 1338.5 |
| 42.5° | 1296.7 | 1300.2 | 1286.3 | 1289.8 | 1275.8 | 1268.8 | 1265.4 | 1244.4 | 1234.0 | 1213.1 | 1195.7 |
| 45°   | 1153.8 | 1150.3 | 1143.4 | 1139.9 | 1132.9 | 1125.9 | 1118.9 | 1108.5 | 1091.1 | 1070.2 | 1059.7 |
| 47.5° | 1021.4 | 1010.8 | 1010.8 | 1007.5 | 1003.9 | 990.0  | 986.5  | 976.0  | 965.6  | 944.6  | 930.7  |
| 50°   | 895.9  | 895.9  | 895.9  | 892.4  | 881.9  | 878.4  | 871.5  | 861.1  | 850.5  | 836.6  | 815.7  |
| 52.5° | 794.7  | 794.7  | 794.7  | 791.3  | 777.4  | 773.9  | 770.4  | 756.4  | 742.5  | 732.0  | 718.1  |
| 55°   | 700.6  | 704.1  | 700.6  | 693.7  | 683.3  | 683.3  | 672.7  | 665.8  | 651.9  | 641.4  | 627.5  |
| 57.5° | 620.5  | 620.5  | 613.5  | 610.0  | 603.1  | 599.6  | 592.6  | 585.6  | 568.2  | 557.8  | 540.3  |
| 60°   | 543.8  | 540.3  | 540.3  | 533.4  | 526.3  | 519.4  | 515.9  | 505.5  | 498.5  | 481.1  | 467.2  |
| 62.5° | 474.1  | 474.1  | 467.2  | 467.2  | 453.2  | 453.2  | 449.7  | 439.3  | 428.7  | 411.4  | 404.3  |
| 65°   | 407.9  | 407.9  | 404.3  | 400.8  | 390.4  | 386.9  | 383.5  | 372.9  | 362.5  | 352.1  | 341.6  |
| 67.5° | 348.6  | 348.6  | 341.6  | 338.1  | 331.2  | 327.7  | 320.7  | 313.7  | 303.3  | 292.8  | 282.3  |
| 70°   | 292.8  | 289.4  | 285.9  | 282.3  | 275.4  | 271.9  | 264.9  | 258.0  | 247.5  | 240.5  | 230.1  |
| 72.5° | 237.1  | 237.1  | 233.6  | 226.5  | 223.1  | 219.6  | 216.1  | 209.2  | 198.7  | 188.2  | 181.3  |
| 75°   | 184.7  | 184.7  | 184.7  | 177.8  | 170.8  | 167.4  | 167.4  | 160.3  | 153.4  | 142.9  | 136.0  |
| 77.5° | 142.9  | 139.5  | 136.0  | 136.0  | 128.9  | 125.5  | 122.0  | 118.5  | 108.1  | 104.5  | 97.6   |
| 80°   | 97.6   | 101.1  | 97.6   | 94.1   | 90.6   | 87.2   | 87.2   | 80.2   | 76.6   | 69.7   | 62.7   |
| 82.5° | 66.2   | 62.7   | 62.7   | 59.3   | 59.3   | 55.8   | 55.8   | 48.8   | 45.4   | 41.8   | 38.3   |
| 85°   | 34.8   | 34.8   | 31.4   | 31.4   | 31.4   | 27.9   | 27.9   | 24.4   | 24.4   | 20.9   | 17.5   |
| 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°    | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 |
| 2.5°  | 2363.5 | 2356.4 | 2353.0 | 2353.0 | 2349.5 | 2346.0 | 2342.5 | 2339.1 | 2332.0 | 2332.0 | 2325.1 |
| 5°    | 2380.8 | 2373.9 | 2370.4 | 2359.9 | 2353.0 | 2353.0 | 2339.1 | 2335.6 | 2325.1 | 2318.1 | 2311.2 |
| 7.5°  | 2394.7 | 2380.8 | 2370.4 | 2359.9 | 2353.0 | 2346.0 | 2332.0 | 2318.1 | 2304.2 | 2290.2 | 2283.3 |
| 10°   | 2394.7 | 2380.8 | 2363.5 | 2346.0 | 2339.1 | 2332.0 | 2314.6 | 2293.7 | 2276.3 | 2262.3 | 2244.8 |
| 12.5° | 2387.8 | 2366.9 | 2346.0 | 2332.0 | 2318.1 | 2307.7 | 2286.7 | 2265.8 | 2244.8 | 2217.1 | 2203.1 |
| 15°   | 2366.9 | 2339.1 | 2318.1 | 2293.7 | 2283.3 | 2265.8 | 2248.4 | 2217.1 | 2192.6 | 2168.2 | 2150.7 |
| 17.5° | 2325.1 | 2290.2 | 2265.8 | 2241.4 | 2224.0 | 2213.6 | 2185.7 | 2157.8 | 2129.9 | 2102.0 | 2081.1 |
| 20°   | 2262.3 | 2231.0 | 2203.1 | 2171.7 | 2157.8 | 2143.8 | 2109.0 | 2081.1 | 2053.2 | 2021.8 | 2000.8 |
| 22.5° | 2185.7 | 2154.3 | 2115.9 | 2091.6 | 2070.6 | 2053.2 | 2021.8 | 1990.4 | 1962.5 | 1934.6 | 1906.7 |
| 25°   | 2091.6 | 2060.1 | 2025.3 | 1987.0 | 1973.1 | 1955.6 | 1920.7 | 1889.4 | 1858.0 | 1826.6 | 1802.2 |
| 27.5° | 1990.4 | 1948.6 | 1920.7 | 1878.8 | 1864.9 | 1847.5 | 1809.2 | 1774.3 | 1746.4 | 1722.0 | 1694.1 |
| 30°   | 1868.4 | 1837.1 | 1798.7 | 1760.3 | 1746.4 | 1729.1 | 1697.6 | 1666.2 | 1638.3 | 1610.4 | 1582.6 |
| 32.5° | 1736.0 | 1704.6 | 1666.2 | 1638.3 | 1617.5 | 1603.5 | 1572.1 | 1544.2 | 1516.3 | 1488.4 | 1464.1 |
| 35°   | 1596.5 | 1561.7 | 1533.8 | 1505.9 | 1488.4 | 1471.1 | 1439.7 | 1415.3 | 1394.3 | 1370.0 | 1345.6 |
| 37.5° | 1453.6 | 1429.3 | 1401.4 | 1370.0 | 1352.5 | 1338.5 | 1314.2 | 1286.3 | 1268.8 | 1247.9 | 1230.5 |
| 40°   | 1314.2 | 1286.3 | 1261.9 | 1234.0 | 1220.1 | 1209.6 | 1185.2 | 1164.3 | 1146.8 | 1129.5 | 1118.9 |
| 42.5° | 1171.3 | 1146.8 | 1122.4 | 1105.1 | 1094.5 | 1084.1 | 1066.6 | 1042.3 | 1031.8 | 1014.4 | 1003.9 |
| 45°   | 1038.7 | 1017.9 | 1000.4 | 976.0  | 969.1  | 962.1  | 941.2  | 923.8  | 913.3  | 902.8  | 895.9  |
| 47.5° | 913.3  | 899.4  | 878.4  | 864.5  | 854.0  | 847.1  | 833.2  | 819.2  | 808.7  | 801.8  | 794.7  |
| 50°   | 805.3  | 787.8  | 773.9  | 759.9  | 752.9  | 742.5  | 728.5  | 721.6  | 714.6  | 707.7  | 707.7  |
| 52.5° | 704.1  | 686.7  | 672.7  | 662.3  | 655.4  | 648.4  | 637.9  | 634.4  | 627.5  | 627.5  | 624.0  |
| 55°   | 610.0  | 599.6  | 585.6  | 571.7  | 568.2  | 564.7  | 557.8  | 550.7  | 547.3  | 543.8  | 547.3  |
| 57.5° | 529.9  | 519.4  | 505.5  | 495.1  | 491.5  | 488.0  | 484.5  | 477.6  | 474.1  | 474.1  | 474.1  |
| 60°   | 456.6  | 446.2  | 435.7  | 425.3  | 425.3  | 418.3  | 414.8  | 411.4  | 407.9  | 404.3  | 404.3  |
| 62.5° | 390.4  | 380.0  | 369.5  | 362.5  | 359.1  | 355.6  | 348.6  | 345.2  | 341.6  | 341.6  | 338.1  |
| 65°   | 331.2  | 317.3  | 313.7  | 303.3  | 299.8  | 296.3  | 292.8  | 285.9  | 282.3  | 278.8  | 275.4  |
| 67.5° | 271.9  | 264.9  | 254.4  | 247.5  | 244.0  | 240.5  | 237.1  | 230.1  | 226.5  | 223.1  | 216.1  |
| 70°   | 219.6  | 212.6  | 205.7  | 198.7  | 195.3  | 191.7  | 184.7  | 177.8  | 174.3  | 167.4  | 156.8  |
| 72.5° | 170.8  | 163.8  | 156.8  | 149.9  | 146.4  | 142.9  | 136.0  | 128.9  | 122.0  | 115.1  | 108.1  |
| 75°   | 128.9  | 122.0  | 111.6  | 104.5  | 101.1  | 101.1  | 90.6   | 83.7   | 76.6   | 66.2   | 59.3   |
| 77.5° | 90.6   | 80.2   | 76.6   | 69.7   | 66.2   | 59.3   | 52.3   | 45.4   | 38.3   | 34.8   | 27.9   |
| 80°   | 59.3   | 52.3   | 45.4   | 41.8   | 38.3   | 34.8   | 31.4   | 24.4   | 17.5   | 13.9   | 10.4   |
| 82.5° | 34.8   | 31.4   | 27.9   | 24.4   | 20.9   | 17.5   | 13.9   | 13.9   | 10.4   | 6.9    | 3.5    |
| 85°   | 17.5   | 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    |



TEST NUMBER: P585014

CATALOG NUMBER: HCC8S55D010BZ-HM82555930-81WWBB

**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 |
| 2.5°  | 2321.6 | 2318.1 | 2314.6 | 2311.2 | 2311.2 | 2304.2 | 2304.2 | 2300.6 | 2293.7 | 2290.2 | 2290.2 |
| 5°    | 2300.6 | 2290.2 | 2283.3 | 2279.8 | 2276.3 | 2265.8 | 2262.3 | 2255.4 | 2248.4 | 2241.4 | 2237.9 |
| 7.5°  | 2269.3 | 2251.9 | 2244.8 | 2241.4 | 2231.0 | 2220.5 | 2213.6 | 2203.1 | 2192.6 | 2182.1 | 2178.6 |
| 10°   | 2231.0 | 2213.6 | 2196.1 | 2189.2 | 2178.6 | 2171.7 | 2157.8 | 2143.8 | 2133.4 | 2122.8 | 2112.4 |
| 12.5° | 2182.1 | 2161.3 | 2143.8 | 2136.8 | 2126.4 | 2112.4 | 2091.6 | 2084.5 | 2067.2 | 2060.1 | 2046.2 |
| 15°   | 2126.4 | 2102.0 | 2084.5 | 2074.1 | 2063.7 | 2042.7 | 2028.7 | 2014.8 | 1997.4 | 1990.4 | 1976.5 |
| 17.5° | 2056.6 | 2028.7 | 2011.4 | 2000.8 | 1993.9 | 1976.5 | 1955.6 | 1938.1 | 1920.7 | 1913.8 | 1903.3 |
| 20°   | 1973.1 | 1955.6 | 1931.2 | 1920.7 | 1913.8 | 1892.8 | 1871.9 | 1864.9 | 1851.1 | 1837.1 | 1826.6 |
| 22.5° | 1878.8 | 1861.5 | 1837.1 | 1826.6 | 1823.2 | 1805.7 | 1788.2 | 1777.8 | 1767.4 | 1756.8 | 1746.4 |
| 25°   | 1781.3 | 1760.3 | 1739.5 | 1732.5 | 1725.5 | 1711.6 | 1697.6 | 1690.6 | 1680.2 | 1673.3 | 1666.2 |
| 27.5° | 1676.7 | 1655.8 | 1638.3 | 1627.9 | 1620.9 | 1610.4 | 1603.5 | 1596.5 | 1589.6 | 1582.6 | 1579.2 |
| 30°   | 1565.2 | 1544.2 | 1530.3 | 1523.4 | 1516.3 | 1512.8 | 1502.4 | 1498.9 | 1495.5 | 1488.4 | 1492.0 |
| 32.5° | 1453.6 | 1436.2 | 1422.2 | 1411.8 | 1411.8 | 1404.8 | 1401.4 | 1401.4 | 1397.8 | 1397.8 | 1397.8 |
| 35°   | 1331.6 | 1321.2 | 1310.6 | 1307.2 | 1303.7 | 1300.2 | 1296.7 | 1300.2 | 1296.7 | 1300.2 | 1303.7 |
| 37.5° | 1220.1 | 1209.6 | 1202.6 | 1199.2 | 1195.7 | 1199.2 | 1195.7 | 1195.7 | 1199.2 | 1206.1 | 1209.6 |
| 40°   | 1105.1 | 1098.0 | 1091.1 | 1094.5 | 1091.1 | 1091.1 | 1091.1 | 1101.6 | 1105.1 | 1108.5 | 1112.0 |
| 42.5° | 996.9  | 990.0  | 986.5  | 986.5  | 990.0  | 986.5  | 993.5  | 996.9  | 1003.9 | 1014.4 | 1021.4 |
| 45°   | 892.4  | 888.8  | 888.8  | 892.4  | 888.8  | 895.9  | 895.9  | 902.8  | 913.3  | 920.3  | 927.3  |
| 47.5° | 794.7  | 794.7  | 794.7  | 798.2  | 798.2  | 801.8  | 808.7  | 812.2  | 819.2  | 826.1  | 833.2  |
| 50°   | 704.1  | 707.7  | 711.2  | 711.2  | 711.2  | 718.1  | 725.1  | 728.5  | 732.0  | 735.5  | 746.0  |
| 52.5° | 624.0  | 627.5  | 627.5  | 630.9  | 634.4  | 637.9  | 641.4  | 648.4  | 651.9  | 658.8  | 662.3  |
| 55°   | 547.3  | 547.3  | 554.2  | 557.8  | 557.8  | 557.8  | 564.7  | 564.7  | 571.7  | 575.2  | 582.1  |
| 57.5° | 474.1  | 477.6  | 477.6  | 481.1  | 481.1  | 484.5  | 488.0  | 491.5  | 495.1  | 498.5  | 502.0  |
| 60°   | 404.3  | 404.3  | 404.3  | 407.9  | 411.4  | 414.8  | 411.4  | 418.3  | 418.3  | 425.3  | 428.7  |
| 62.5° | 338.1  | 341.6  | 341.6  | 341.6  | 341.6  | 341.6  | 341.6  | 345.2  | 348.6  | 352.1  | 355.6  |
| 65°   | 275.4  | 275.4  | 275.4  | 271.9  | 275.4  | 271.9  | 275.4  | 278.8  | 278.8  | 282.3  | 285.9  |
| 67.5° | 212.6  | 212.6  | 205.7  | 205.7  | 209.2  | 209.2  | 209.2  | 209.2  | 205.7  | 212.6  | 212.6  |
| 70°   | 153.4  | 149.9  | 146.4  | 142.9  | 142.9  | 139.5  | 139.5  | 136.0  | 136.0  | 136.0  | 136.0  |
| 72.5° | 101.1  | 94.1   | 87.2   | 83.7   | 80.2   | 80.2   | 73.2   | 69.7   | 73.2   | 73.2   | 73.2   |
| 75°   | 52.3   | 45.4   | 41.8   | 38.3   | 34.8   | 34.8   | 31.4   | 31.4   | 31.4   | 31.4   | 31.4   |
| 77.5° | 20.9   | 17.5   | 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: P585014

CATALOG NUMBER: HCC8S55D010BZ-HM82555930-81WWBB

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 | 2332.0 |
| 2.5°  | 2286.7 | 2286.7 | 2283.3 | 2286.7 | 2279.8 | 2283.3 | 2279.8 | 2279.8 |
| 5°    | 2234.4 | 2227.5 | 2227.5 | 2227.5 | 2224.0 | 2224.0 | 2220.5 | 2220.5 |
| 7.5°  | 2171.7 | 2168.2 | 2164.7 | 2161.3 | 2157.8 | 2154.3 | 2154.3 | 2154.3 |
| 10°   | 2109.0 | 2102.0 | 2102.0 | 2098.5 | 2091.6 | 2088.0 | 2088.0 | 2088.0 |
| 12.5° | 2035.8 | 2032.2 | 2028.7 | 2028.7 | 2014.8 | 2018.3 | 2014.8 | 2014.8 |
| 15°   | 1966.0 | 1962.5 | 1962.5 | 1952.1 | 1945.2 | 1945.2 | 1945.2 | 1941.7 |
| 17.5° | 1892.8 | 1889.4 | 1885.9 | 1878.8 | 1871.9 | 1871.9 | 1868.4 | 1871.9 |
| 20°   | 1816.1 | 1812.6 | 1805.7 | 1805.7 | 1802.2 | 1798.7 | 1791.8 | 1795.3 |
| 22.5° | 1739.5 | 1732.5 | 1729.1 | 1729.1 | 1725.5 | 1725.5 | 1718.5 | 1718.5 |
| 25°   | 1659.3 | 1655.8 | 1652.3 | 1655.8 | 1648.8 | 1648.8 | 1641.9 | 1641.9 |
| 27.5° | 1575.6 | 1572.1 | 1572.1 | 1572.1 | 1568.6 | 1572.1 | 1568.6 | 1568.6 |
| 30°   | 1492.0 | 1492.0 | 1488.4 | 1488.4 | 1492.0 | 1488.4 | 1492.0 | 1495.5 |
| 32.5° | 1401.4 | 1401.4 | 1404.8 | 1404.8 | 1408.3 | 1408.3 | 1408.3 | 1408.3 |
| 35°   | 1307.2 | 1314.2 | 1314.2 | 1317.7 | 1321.2 | 1324.6 | 1324.6 | 1328.1 |
| 37.5° | 1220.1 | 1223.6 | 1227.1 | 1230.5 | 1237.5 | 1237.5 | 1237.5 | 1237.5 |
| 40°   | 1125.9 | 1129.5 | 1136.4 | 1132.9 | 1146.8 | 1150.3 | 1146.8 | 1146.8 |
| 42.5° | 1028.3 | 1035.3 | 1038.7 | 1045.8 | 1049.3 | 1056.2 | 1059.7 | 1059.7 |
| 45°   | 937.7  | 941.2  | 948.1  | 955.2  | 958.6  | 969.1  | 969.1  | 969.1  |
| 47.5° | 843.6  | 850.5  | 854.0  | 861.1  | 864.5  | 874.9  | 878.4  | 874.9  |
| 50°   | 752.9  | 759.9  | 766.8  | 766.8  | 777.4  | 780.8  | 787.8  | 791.3  |
| 52.5° | 665.8  | 669.3  | 676.2  | 679.8  | 686.7  | 693.7  | 697.2  | 700.6  |
| 55°   | 582.1  | 585.6  | 592.6  | 592.6  | 603.1  | 606.5  | 613.5  | 613.5  |
| 57.5° | 505.5  | 508.9  | 515.9  | 512.4  | 519.4  | 526.3  | 526.3  | 522.8  |
| 60°   | 432.2  | 432.2  | 432.2  | 439.3  | 442.7  | 446.2  | 449.7  | 449.7  |
| 62.5° | 355.6  | 362.5  | 366.0  | 366.0  | 369.5  | 372.9  | 372.9  | 369.5  |
| 65°   | 285.9  | 292.8  | 296.3  | 296.3  | 299.8  | 299.8  | 299.8  | 303.3  |
| 67.5° | 216.1  | 216.1  | 216.1  | 219.6  | 216.1  | 216.1  | 216.1  | 216.1  |
| 70°   | 136.0  | 136.0  | 136.0  | 136.0  | 132.4  | 136.0  | 136.0  | 139.5  |
| 72.5° | 73.2   | 73.2   | 73.2   | 73.2   | 73.2   | 73.2   | 73.2   | 73.2   |
| 75°   | 31.4   | 31.4   | 31.4   | 34.8   | 31.4   | 31.4   | 31.4   | 31.4   |
| 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    |

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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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