

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: P584889

Luminaire Tested: **HCC8W50D010MB-HM82555935-81RWWH**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584889
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W50D010MB-HM82555935-81RWWH
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, HAZE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

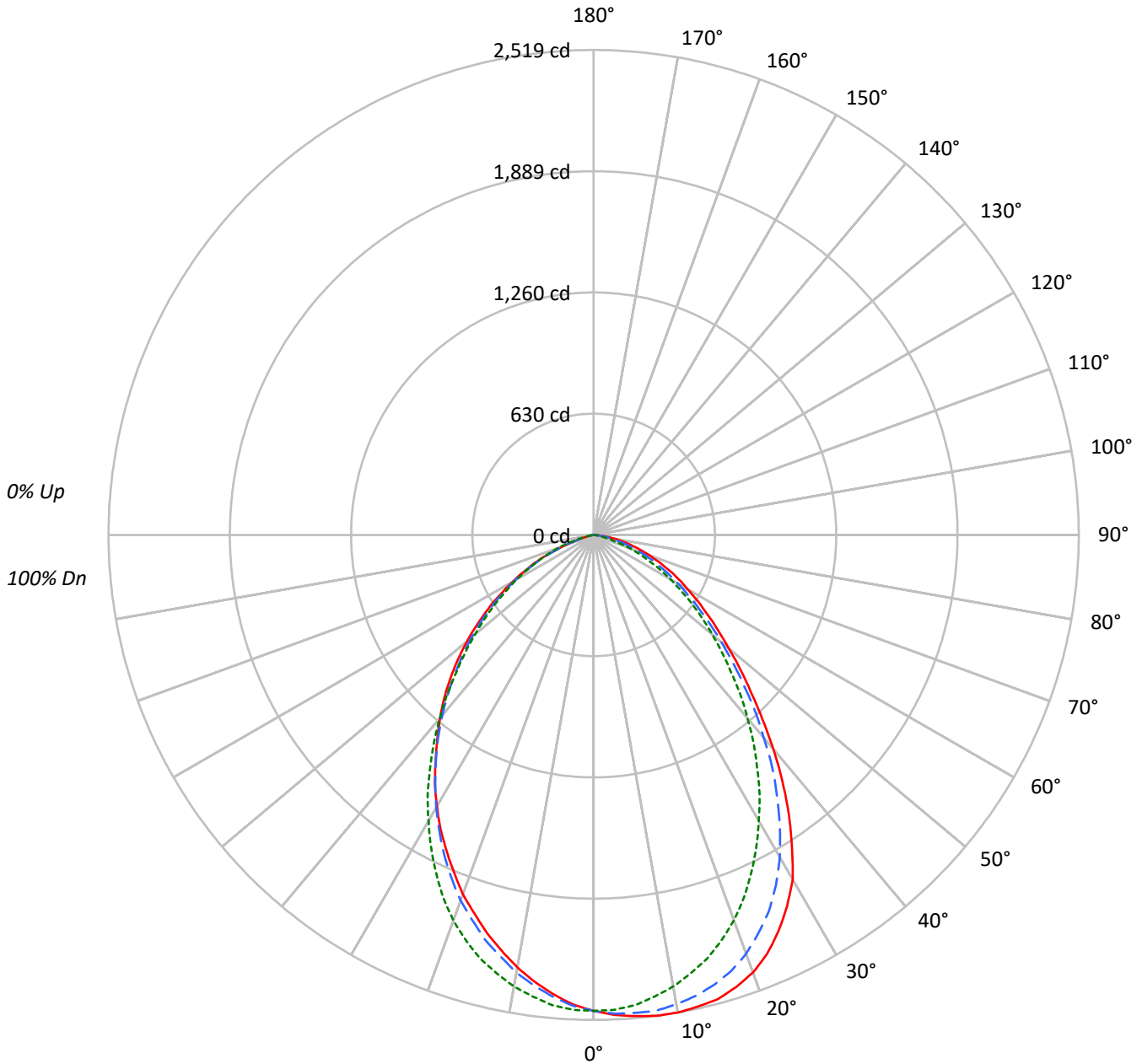
Lumens per Lamp: N/A
Luminaire Lumens: 4634.3 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 48
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: P584889
CATALOG NUMBER: HCC8W50D010MB-HM82555935-81RWWH

Luminous Intensity Polar Plot





TEST NUMBER: P584889

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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 | | | | 100 | | | | |
| 1 | 111 | 107 | 104 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | 88 | | | | |
| 2 | 103 | 96 | 90 | 85 | 100 | 94 | 89 | 84 | 90 | 86 | 82 | 87 | 84 | 80 | 84 | 81 | 79 | 77 | | | | 77 | | | | |
| 3 | 95 | 86 | 79 | 73 | 92 | 84 | 78 | 73 | 81 | 76 | 71 | 79 | 74 | 70 | 76 | 72 | 69 | 67 | | | | 67 | | | | |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 63 | 74 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 59 | | | | 59 | | | | |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 62 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 52 | | | | 52 | | | | |
| 6 | 76 | 64 | 56 | 50 | 74 | 63 | 55 | 50 | 61 | 54 | 49 | 60 | 54 | 49 | 58 | 53 | 49 | 47 | | | | 47 | | | | |
| 7 | 71 | 58 | 51 | 45 | 69 | 58 | 50 | 45 | 56 | 49 | 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 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 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° | 76230 | 76230 | 76230 |
| 5° | 77661 | 75899 | 74135 |
| 10° | 78875 | 74573 | 71426 |
| 15° | 79667 | 72717 | 68330 |
| 20° | 79361 | 69910 | 65184 |
| 25° | 77269 | 65874 | 61543 |
| 30° | 73588 | 61066 | 57964 |
| 35° | 66453 | 55732 | 53842 |
| 40° | 58384 | 50028 | 49891 |
| 45° | 50399 | 43971 | 45864 |
| 50° | 43871 | 38565 | 41137 |
| 55° | 38896 | 33499 | 35837 |
| 60° | 34709 | 28302 | 29745 |
| 65° | 31287 | 22969 | 23466 |
| 70° | 27778 | 17211 | 13894 |
| 75° | 23948 | 9972 | 5993 |
| 80° | 18433 | 3569 | 1794 |
| 85° | 11888 | 1203 | 1203 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 232.1 | 5.0 |
| 10°-20° | 646.0 | 13.9 |
| 20°-30° | 913.7 | 19.7 |
| 30°-40° | 962.8 | 20.8 |
| 40°-50° | 818.3 | 17.7 |
| 50°-60° | 589.2 | 12.7 |
| 60°-70° | 339.9 | 7.3 |
| 70°-80° | 116.3 | 2.5 |
| 80°-90° | 16.0 | 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° | 1791.8 | 38.7 |
| 0°-40° | 2754.6 | 59.4 |
| 0°-60° | 4162.1 | 89.8 |
| 0°-90° | 4634.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4634.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2472 | 2472 | 2472 | 2472 | 2472 | |
| 5° | 2509 | 2492 | 2452 | 2408 | 2395 | 240 |
| 15° | 2496 | 2418 | 2278 | 2177 | 2140 | 703 |
| 25° | 2271 | 2154 | 1936 | 1836 | 1809 | 1042 |
| 35° | 1765 | 1661 | 1480 | 1427 | 1430 | 1099 |
| 45° | 1156 | 1102 | 1008 | 1015 | 1052 | 898 |
| 55° | 724 | 667 | 623 | 646 | 667 | 651 |
| 65° | 429 | 368 | 315 | 308 | 322 | 427 |
| 75° | 201 | 151 | 84 | 54 | 50 | 212 |
| 85° | 34 | 20 | 3 | 3 | 3 | 45 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P584889

CATALOG NUMBER: HCC8W50D010MB-HM82555935-81RWWH

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 |
| 2.5° | 2495.5 | 2498.9 | 2495.5 | 2495.5 | 2492.2 | 2488.8 | 2485.4 | 2482.1 | 2475.4 | 2468.7 | 2468.7 |
| 5° | 2508.9 | 2515.6 | 2508.9 | 2508.9 | 2498.9 | 2492.2 | 2485.4 | 2475.4 | 2462.0 | 2452.0 | 2452.0 |
| 7.5° | 2519.0 | 2519.0 | 2519.0 | 2508.9 | 2502.1 | 2492.2 | 2475.4 | 2458.6 | 2441.9 | 2425.1 | 2418.4 |
| 10° | 2519.0 | 2519.0 | 2515.6 | 2502.1 | 2495.5 | 2475.4 | 2458.6 | 2435.1 | 2411.8 | 2388.3 | 2381.6 |
| 12.5° | 2508.9 | 2512.2 | 2505.5 | 2492.2 | 2475.4 | 2452.0 | 2428.5 | 2398.3 | 2371.6 | 2344.8 | 2331.3 |
| 15° | 2495.5 | 2492.2 | 2485.4 | 2468.7 | 2448.6 | 2418.4 | 2395.0 | 2361.5 | 2324.7 | 2291.1 | 2277.8 |
| 17.5° | 2462.0 | 2462.0 | 2452.0 | 2435.1 | 2408.4 | 2374.9 | 2338.0 | 2301.2 | 2261.0 | 2224.1 | 2207.4 |
| 20° | 2418.4 | 2418.4 | 2405.1 | 2385.0 | 2358.1 | 2314.6 | 2274.4 | 2230.9 | 2183.9 | 2147.1 | 2130.4 |
| 22.5° | 2354.8 | 2358.1 | 2341.4 | 2318.0 | 2287.8 | 2237.6 | 2197.4 | 2143.8 | 2096.8 | 2053.3 | 2039.9 |
| 25° | 2271.0 | 2277.8 | 2261.0 | 2237.6 | 2197.4 | 2153.8 | 2103.6 | 2053.3 | 1999.7 | 1956.2 | 1936.1 |
| 27.5° | 2173.9 | 2177.3 | 2160.5 | 2137.0 | 2096.8 | 2050.0 | 1999.7 | 1946.2 | 1895.9 | 1849.0 | 1828.9 |
| 30° | 2066.7 | 2053.3 | 2046.7 | 2016.5 | 1972.9 | 1932.7 | 1875.8 | 1832.3 | 1778.6 | 1738.4 | 1715.0 |
| 32.5° | 1916.0 | 1922.7 | 1902.5 | 1879.2 | 1845.6 | 1798.7 | 1751.9 | 1701.6 | 1651.3 | 1621.2 | 1604.5 |
| 35° | 1765.3 | 1772.0 | 1761.9 | 1738.4 | 1701.6 | 1661.4 | 1614.5 | 1577.7 | 1534.1 | 1497.3 | 1480.5 |
| 37.5° | 1607.8 | 1607.8 | 1601.2 | 1587.7 | 1561.0 | 1524.1 | 1477.1 | 1440.3 | 1403.5 | 1373.3 | 1363.3 |
| 40° | 1450.4 | 1443.7 | 1440.3 | 1430.3 | 1406.9 | 1373.3 | 1343.2 | 1313.0 | 1276.2 | 1256.1 | 1242.8 |
| 42.5° | 1296.3 | 1296.3 | 1289.6 | 1279.6 | 1256.1 | 1239.4 | 1209.2 | 1175.8 | 1148.9 | 1128.8 | 1128.8 |
| 45° | 1155.7 | 1158.9 | 1148.9 | 1142.2 | 1128.8 | 1102.0 | 1075.2 | 1051.7 | 1028.4 | 1014.9 | 1008.3 |
| 47.5° | 1031.6 | 1031.6 | 1021.6 | 1014.9 | 1001.6 | 978.1 | 954.6 | 934.5 | 917.8 | 907.7 | 904.5 |
| 50° | 914.5 | 914.5 | 914.5 | 897.7 | 881.0 | 864.2 | 847.4 | 824.0 | 814.0 | 807.3 | 803.9 |
| 52.5° | 814.0 | 810.6 | 810.6 | 797.3 | 780.4 | 760.3 | 743.6 | 723.5 | 713.4 | 706.8 | 710.2 |
| 55° | 723.5 | 723.5 | 720.2 | 703.4 | 686.7 | 666.6 | 649.8 | 633.1 | 626.4 | 619.7 | 623.1 |
| 56° | 686.7 | 686.7 | 683.3 | 670.0 | 649.8 | 633.1 | 613.0 | 596.2 | 586.1 | 589.5 | 589.5 |
| 57° | 659.9 | 653.2 | 653.2 | 636.4 | 619.7 | 596.2 | 579.5 | 562.8 | 556.1 | 552.7 | 552.7 |
| 58° | 626.4 | 623.1 | 619.7 | 603.0 | 586.1 | 566.1 | 549.3 | 532.6 | 522.5 | 522.5 | 519.2 |
| 59° | 592.9 | 592.9 | 586.1 | 572.8 | 556.1 | 536.0 | 519.2 | 502.4 | 492.4 | 489.0 | 489.0 |
| 60° | 562.8 | 566.1 | 556.1 | 542.6 | 529.2 | 505.8 | 485.7 | 472.3 | 462.2 | 458.9 | 458.9 |
| 61° | 536.0 | 536.0 | 529.2 | 512.5 | 495.8 | 479.1 | 458.9 | 442.1 | 435.5 | 428.8 | 428.8 |
| 62° | 512.5 | 505.8 | 502.4 | 485.7 | 469.0 | 448.9 | 432.1 | 415.3 | 405.3 | 398.6 | 401.9 |
| 63° | 482.3 | 479.1 | 472.3 | 458.9 | 442.1 | 422.0 | 401.9 | 388.6 | 378.5 | 368.5 | 371.9 |
| 64° | 458.9 | 455.6 | 445.5 | 432.1 | 415.3 | 395.2 | 375.1 | 361.8 | 355.0 | 345.0 | 341.7 |
| 65° | 428.8 | 425.4 | 422.0 | 405.3 | 388.6 | 368.5 | 351.8 | 338.3 | 328.3 | 321.6 | 314.8 |
| 66° | 401.9 | 405.3 | 398.6 | 385.2 | 365.1 | 348.4 | 324.9 | 311.5 | 304.9 | 294.8 | 288.0 |
| 67° | 378.5 | 378.5 | 371.9 | 358.4 | 338.3 | 321.6 | 304.9 | 288.0 | 278.0 | 267.9 | 264.7 |
| 67.5° | 365.1 | 365.1 | 358.4 | 341.7 | 328.3 | 308.1 | 291.4 | 278.0 | 264.7 | 257.9 | 251.2 |
| 68° | 351.8 | 351.8 | 348.4 | 334.9 | 318.2 | 298.1 | 281.4 | 264.7 | 251.2 | 241.2 | 237.8 |
| 69° | 328.3 | 331.6 | 324.9 | 311.5 | 294.8 | 274.7 | 257.9 | 244.6 | 231.1 | 221.1 | 214.4 |
| 70° | 308.1 | 304.9 | 298.1 | 284.8 | 267.9 | 254.6 | 237.8 | 221.1 | 207.7 | 194.3 | 190.9 |
| 71° | 281.4 | 281.4 | 274.7 | 264.7 | 247.8 | 231.1 | 214.4 | 201.0 | 187.6 | 170.8 | 167.5 |
| 72° | 261.3 | 261.3 | 254.6 | 241.2 | 227.7 | 211.0 | 194.3 | 177.6 | 167.5 | 150.7 | 144.0 |
| 72.5° | 247.8 | 251.2 | 244.6 | 231.1 | 217.8 | 197.7 | 184.2 | 170.8 | 154.1 | 140.6 | 134.0 |
| 73° | 241.2 | 237.8 | 234.5 | 221.1 | 204.3 | 190.9 | 174.2 | 160.7 | 144.0 | 130.7 | 123.9 |



TEST NUMBER: P584889
 CATALOG NUMBER: HCC8W50D010MB-HM82555935-81RWWH

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 77.5° | 150.7 | 150.7 | 147.4 | 134.0 | 120.6 | 107.2 | 93.8 | 80.4 | 67.0 | 53.5 | 46.9 |
| 80° | 103.8 | 107.2 | 100.5 | 93.8 | 83.7 | 70.4 | 56.9 | 46.9 | 33.6 | 26.8 | 20.1 |
| 82.5° | 67.0 | 67.0 | 63.6 | 56.9 | 50.3 | 40.2 | 33.6 | 23.5 | 16.7 | 13.4 | 10.1 |
| 85° | 33.6 | 36.8 | 33.6 | 30.2 | 23.5 | 20.1 | 16.7 | 10.1 | 6.7 | 3.4 | 3.4 |
| 87.5° | 13.4 | 13.4 | 13.4 | 10.1 | 10.1 | 6.7 | 3.4 | 3.4 | 3.4 | 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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CATALOG NUMBER: HCC8W50D010MB-HM82555935-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 | 2472.1 |
| 2.5° | 2462.0 | 2462.0 | 2455.3 | 2452.0 | 2448.6 | 2445.2 | 2441.9 | 2438.5 | 2438.5 | 2441.9 |
| 5° | 2441.9 | 2435.1 | 2421.8 | 2418.4 | 2408.4 | 2405.1 | 2398.3 | 2395.0 | 2398.3 | 2395.0 |
| 7.5° | 2411.8 | 2398.3 | 2381.6 | 2374.9 | 2361.5 | 2354.8 | 2344.8 | 2344.8 | 2338.0 | 2341.4 |
| 10° | 2371.6 | 2351.4 | 2331.3 | 2318.0 | 2308.0 | 2297.9 | 2291.1 | 2284.5 | 2281.1 | 2281.1 |
| 12.5° | 2321.3 | 2297.9 | 2277.8 | 2257.7 | 2240.9 | 2234.2 | 2220.9 | 2220.9 | 2214.1 | 2210.8 |
| 15° | 2264.4 | 2234.2 | 2210.8 | 2190.7 | 2177.3 | 2163.8 | 2153.8 | 2147.1 | 2140.4 | 2140.4 |
| 17.5° | 2190.7 | 2163.8 | 2140.4 | 2116.9 | 2096.8 | 2086.8 | 2076.7 | 2066.7 | 2066.7 | 2060.0 |
| 20° | 2110.3 | 2080.1 | 2060.0 | 2036.6 | 2019.8 | 2003.1 | 1989.6 | 1989.6 | 1983.0 | 1986.4 |
| 22.5° | 2019.8 | 1983.0 | 1962.9 | 1946.2 | 1929.4 | 1916.0 | 1902.5 | 1902.5 | 1899.3 | 1895.9 |
| 25° | 1919.4 | 1889.2 | 1865.7 | 1845.6 | 1835.6 | 1822.2 | 1818.8 | 1812.2 | 1808.8 | 1808.8 |
| 27.5° | 1812.2 | 1788.7 | 1758.5 | 1748.5 | 1735.1 | 1728.4 | 1728.4 | 1725.1 | 1718.3 | 1721.7 |
| 30° | 1698.3 | 1671.4 | 1654.7 | 1648.1 | 1634.6 | 1634.6 | 1631.2 | 1624.6 | 1624.6 | 1627.9 |
| 32.5° | 1587.7 | 1561.0 | 1547.5 | 1544.1 | 1530.8 | 1530.8 | 1527.4 | 1530.8 | 1530.8 | 1534.1 |
| 35° | 1467.1 | 1443.7 | 1440.3 | 1430.3 | 1427.0 | 1427.0 | 1427.0 | 1433.7 | 1440.3 | 1430.3 |
| 37.5° | 1353.2 | 1336.5 | 1326.5 | 1323.1 | 1326.5 | 1326.5 | 1329.9 | 1339.9 | 1336.5 | 1333.1 |
| 40° | 1236.0 | 1222.7 | 1215.9 | 1215.9 | 1222.7 | 1229.3 | 1229.3 | 1239.4 | 1242.8 | 1239.4 |
| 42.5° | 1118.7 | 1108.7 | 1108.7 | 1112.1 | 1118.7 | 1122.1 | 1132.2 | 1142.2 | 1145.6 | 1148.9 |
| 45° | 1008.3 | 1008.3 | 1008.3 | 1011.5 | 1014.9 | 1021.6 | 1035.0 | 1045.1 | 1048.5 | 1051.7 |
| 47.5° | 901.1 | 897.7 | 907.7 | 911.1 | 921.2 | 924.4 | 934.5 | 947.9 | 951.3 | 954.6 |
| 50° | 800.5 | 807.3 | 810.6 | 820.6 | 827.4 | 827.4 | 840.7 | 847.4 | 857.5 | 857.5 |
| 52.5° | 706.8 | 716.8 | 720.2 | 730.3 | 733.5 | 736.9 | 743.6 | 753.7 | 760.3 | 760.3 |
| 55° | 623.1 | 626.4 | 633.1 | 636.4 | 646.5 | 649.8 | 656.5 | 659.9 | 670.0 | 666.6 |
| 56° | 586.1 | 592.9 | 596.2 | 603.0 | 609.6 | 613.0 | 619.7 | 623.1 | 629.7 | 633.1 |
| 57° | 552.7 | 556.1 | 566.1 | 569.4 | 576.1 | 576.1 | 579.5 | 589.5 | 589.5 | 592.9 |
| 58° | 519.2 | 525.9 | 529.2 | 532.6 | 539.3 | 542.6 | 549.3 | 552.7 | 556.1 | 552.7 |
| 59° | 489.0 | 492.4 | 495.8 | 495.8 | 502.4 | 502.4 | 512.5 | 519.2 | 522.5 | 522.5 |
| 60° | 458.9 | 458.9 | 462.2 | 465.6 | 472.3 | 475.7 | 475.7 | 482.3 | 482.3 | 482.3 |
| 61° | 428.8 | 428.8 | 432.1 | 435.5 | 438.8 | 438.8 | 445.5 | 445.5 | 448.9 | 452.2 |
| 62° | 401.9 | 398.6 | 398.6 | 401.9 | 401.9 | 408.7 | 412.0 | 415.3 | 418.7 | 415.3 |
| 63° | 371.9 | 368.5 | 368.5 | 368.5 | 368.5 | 375.1 | 375.1 | 378.5 | 385.2 | 381.9 |
| 64° | 338.3 | 338.3 | 338.3 | 338.3 | 341.7 | 341.7 | 348.4 | 351.8 | 355.0 | 358.4 |
| 65° | 314.8 | 308.1 | 304.9 | 304.9 | 308.1 | 311.5 | 314.8 | 318.2 | 321.6 | 321.6 |
| 66° | 288.0 | 281.4 | 278.0 | 278.0 | 278.0 | 278.0 | 284.8 | 284.8 | 291.4 | 291.4 |
| 67° | 257.9 | 251.2 | 247.8 | 244.6 | 244.6 | 244.6 | 254.6 | 251.2 | 251.2 | 251.2 |
| 67.5° | 247.8 | 237.8 | 234.5 | 231.1 | 227.7 | 234.5 | 231.1 | 234.5 | 234.5 | 231.1 |
| 68° | 234.5 | 227.7 | 221.1 | 214.4 | 214.4 | 214.4 | 217.8 | 221.1 | 217.8 | 214.4 |
| 69° | 207.7 | 204.3 | 194.3 | 187.6 | 184.2 | 187.6 | 184.2 | 187.6 | 184.2 | 187.6 |
| 70° | 184.2 | 174.2 | 164.1 | 160.7 | 157.5 | 157.5 | 157.5 | 154.1 | 157.5 | 154.1 |
| 71° | 160.7 | 150.7 | 140.6 | 134.0 | 130.7 | 130.7 | 127.3 | 130.7 | 127.3 | 130.7 |
| 72° | 137.4 | 127.3 | 113.9 | 107.2 | 107.2 | 107.2 | 107.2 | 103.8 | 107.2 | 103.8 |
| 72.5° | 127.3 | 113.9 | 103.8 | 97.1 | 93.8 | 93.8 | 93.8 | 93.8 | 90.5 | 93.8 |
| 73° | 117.3 | 103.8 | 90.5 | 87.1 | 87.1 | 87.1 | 83.7 | 80.4 | 83.7 | 83.7 |



TEST NUMBER: P584889
CATALOG NUMBER: HCC8W50D010MB-HM82555935-81RWWH

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 77.5° | 40.2 | 30.2 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 26.8 | 23.5 | 23.5 |
| 80° | 16.7 | 13.4 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 |
| 82.5° | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 | 6.7 |
| 85° | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 |
| 87.5° | 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 |

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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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|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 74° | 217.8 | 217.8 | 211.0 | 201.0 | 184.2 | 167.5 | 154.1 | 140.6 | 123.9 | 107.2 | 100.5 |
| 75° | 201.0 | 197.7 | 190.9 | 180.8 | 167.5 | 150.7 | 137.4 | 120.6 | 107.2 | 90.5 | 83.7 |

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| | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|
| 74° | 97.1 | 80.4 | 73.6 | 67.0 | 67.0 | 67.0 | 63.6 | 63.6 | 63.6 | 67.0 |
| 75° | 77.0 | 63.6 | 56.9 | 50.3 | 53.5 | 50.3 | 53.5 | 50.3 | 50.3 | 50.3 |

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