

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: P584965

Luminaire Tested: **HCC8W55D010MW-HM82555835-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W55D010MW-HM82555835-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

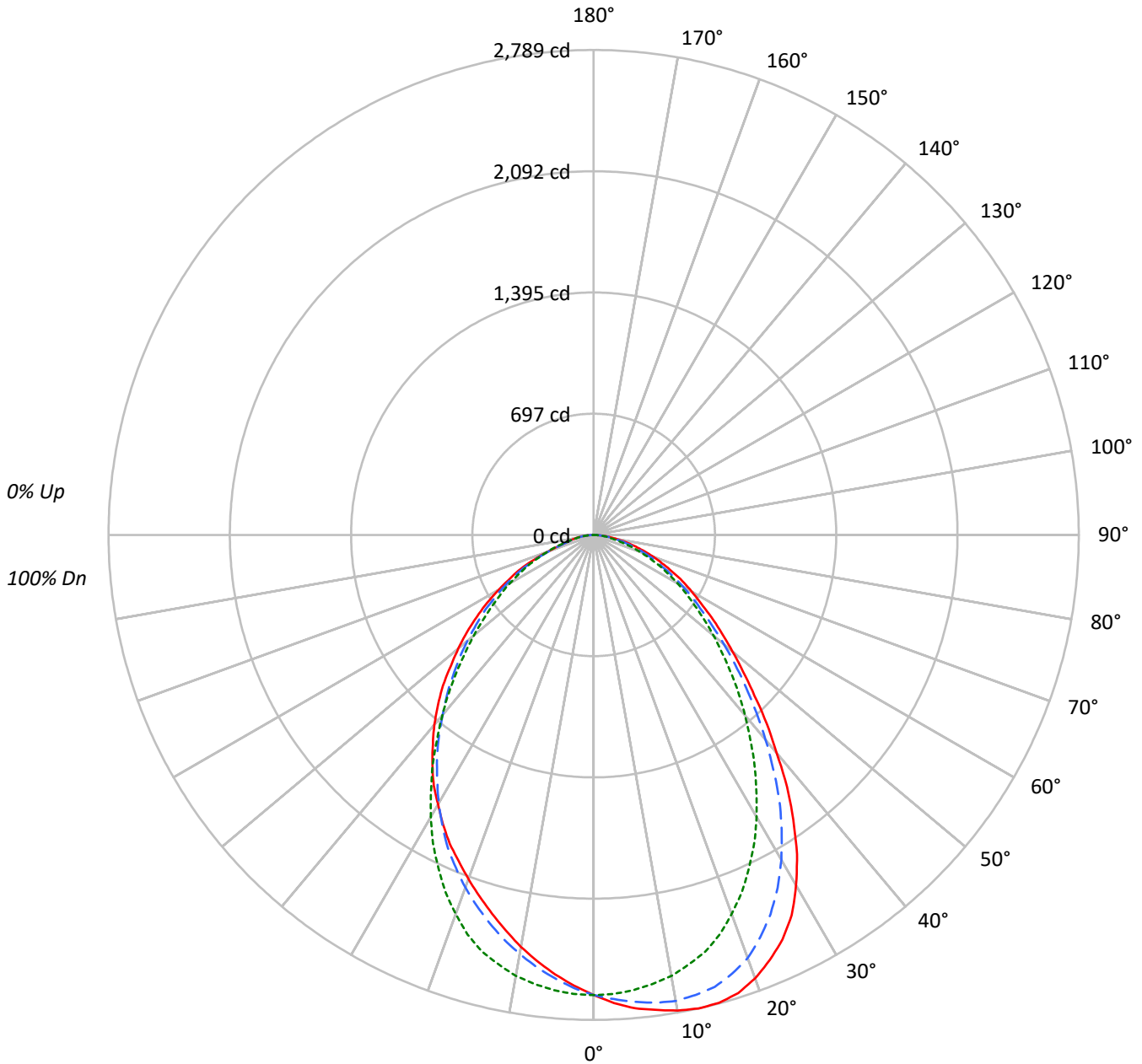
Lumens per Lamp: N/A
Luminaire Lumens: 5322.1 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
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: P584965
CATALOG NUMBER: HCC8W55D010MW-HM82555835-81WWWB

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 | 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 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 92 | 91 | 89 | 87 | | | | | 87 | | | |
| 2 | 102 | 94 | 88 | 83 | 99 | 93 | 87 | 82 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 | | | | | 75 | | | |
| 3 | 94 | 84 | 77 | 71 | 91 | 83 | 76 | 71 | 80 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 65 | | | | | 65 | | | |
| 4 | 87 | 76 | 68 | 62 | 84 | 75 | 67 | 61 | 72 | 66 | 61 | 70 | 64 | 60 | 68 | 63 | 59 | 57 | | | | | 57 | | | |
| 5 | 80 | 69 | 60 | 54 | 78 | 67 | 60 | 54 | 65 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 52 | 50 | | | | | 50 | | | |
| 6 | 75 | 62 | 54 | 48 | 73 | 61 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 45 | | | | | 45 | | | |
| 7 | 70 | 57 | 49 | 43 | 68 | 56 | 49 | 43 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 42 | 40 | | | | | 40 | | | |
| 8 | 65 | 52 | 45 | 39 | 64 | 52 | 44 | 39 | 51 | 44 | 39 | 49 | 43 | 39 | 48 | 43 | 38 | 37 | | | | | 37 | | | |
| 9 | 61 | 48 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 33 | | | | | 33 | | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 44 | 37 | 33 | 44 | 37 | 32 | 43 | 37 | 32 | 42 | 36 | 32 | 30 | | | | | 30 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 81596 | 81596 | 81596 |
| 5° | 84585 | 81329 | 78534 |
| 10° | 86979 | 80622 | 75324 |
| 15° | 88918 | 79197 | 71998 |
| 20° | 89054 | 76105 | 69073 |
| 25° | 87350 | 71873 | 66629 |
| 30° | 82846 | 66649 | 63708 |
| 35° | 75277 | 60705 | 60844 |
| 40° | 65819 | 54472 | 57346 |
| 45° | 57045 | 48520 | 53434 |
| 50° | 49949 | 43094 | 48683 |
| 55° | 44461 | 38187 | 44058 |
| 60° | 40100 | 34308 | 38712 |
| 65° | 36198 | 30171 | 33739 |
| 70° | 32539 | 25416 | 25073 |
| 75° | 28666 | 20147 | 18813 |
| 80° | 24044 | 16692 | 18024 |
| 85° | 18610 | 14648 | 15957 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 249.6 | 4.7 |
| 10°-20° | 703.1 | 13.2 |
| 20°-30° | 1004.9 | 18.9 |
| 30°-40° | 1067.7 | 20.1 |
| 40°-50° | 919.3 | 17.3 |
| 50°-60° | 687.3 | 12.9 |
| 60°-70° | 438.4 | 8.2 |
| 70°-80° | 199.5 | 3.7 |
| 80°-90° | 52.4 | 1.0 |
| 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° | 1957.6 | 36.8 |
| 0°-40° | 3025.3 | 56.8 |
| 0°-60° | 4631.8 | 87.0 |
| 0°-90° | 5322.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5322.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2646 | 2646 | 2646 | 2646 | 2646 | |
| 5° | 2733 | 2695 | 2627 | 2560 | 2537 | 262 |
| 15° | 2785 | 2691 | 2481 | 2312 | 2255 | 785 |
| 25° | 2567 | 2406 | 2112 | 1985 | 1958 | 1175 |
| 35° | 2000 | 1861 | 1613 | 1571 | 1616 | 1245 |
| 45° | 1308 | 1237 | 1113 | 1143 | 1225 | 1017 |
| 55° | 827 | 759 | 710 | 771 | 820 | 744 |
| 65° | 496 | 440 | 414 | 432 | 462 | 495 |
| 75° | 241 | 207 | 169 | 154 | 158 | 256 |
| 85° | 53 | 45 | 41 | 45 | 45 | 63 |
| 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° | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 |
| 2.5° | 2695.0 | 2687.5 | 2691.3 | 2687.5 | 2691.3 | 2691.3 | 2683.8 | 2683.8 | 2683.8 | 2683.8 | 2672.5 |
| 5° | 2732.6 | 2728.9 | 2728.9 | 2725.1 | 2721.4 | 2725.1 | 2721.4 | 2717.6 | 2710.0 | 2706.3 | 2695.0 |
| 7.5° | 2755.1 | 2755.1 | 2755.1 | 2755.1 | 2751.4 | 2747.6 | 2743.9 | 2736.4 | 2728.9 | 2721.4 | 2713.8 |
| 10° | 2777.8 | 2781.5 | 2777.8 | 2774.0 | 2770.3 | 2762.6 | 2758.9 | 2751.4 | 2740.1 | 2728.9 | 2721.4 |
| 12.5° | 2789.0 | 2789.0 | 2785.3 | 2785.3 | 2777.8 | 2774.0 | 2762.6 | 2751.4 | 2740.1 | 2728.9 | 2710.0 |
| 15° | 2785.3 | 2785.3 | 2781.5 | 2777.8 | 2766.4 | 2762.6 | 2755.1 | 2743.9 | 2725.1 | 2710.0 | 2691.3 |
| 17.5° | 2762.6 | 2758.9 | 2751.4 | 2751.4 | 2736.4 | 2732.6 | 2725.1 | 2710.0 | 2691.3 | 2668.8 | 2646.1 |
| 20° | 2713.8 | 2713.8 | 2710.0 | 2706.3 | 2691.3 | 2680.0 | 2672.5 | 2653.6 | 2638.6 | 2612.4 | 2589.8 |
| 22.5° | 2646.1 | 2653.6 | 2646.1 | 2638.6 | 2619.9 | 2616.1 | 2604.8 | 2582.3 | 2559.8 | 2529.6 | 2503.3 |
| 25° | 2567.3 | 2563.5 | 2559.8 | 2552.1 | 2537.1 | 2529.6 | 2514.6 | 2492.0 | 2469.5 | 2435.7 | 2405.6 |
| 27.5° | 2465.8 | 2450.7 | 2450.7 | 2435.7 | 2424.4 | 2413.1 | 2405.6 | 2383.0 | 2353.0 | 2326.7 | 2289.0 |
| 30° | 2326.7 | 2330.4 | 2311.7 | 2307.9 | 2289.0 | 2281.5 | 2266.5 | 2244.0 | 2217.7 | 2187.5 | 2157.5 |
| 32.5° | 2176.3 | 2165.0 | 2165.0 | 2150.0 | 2134.9 | 2123.7 | 2119.9 | 2093.7 | 2071.0 | 2041.0 | 2010.9 |
| 35° | 1999.7 | 1999.7 | 1988.4 | 1984.7 | 1969.5 | 1962.0 | 1950.8 | 1935.8 | 1909.4 | 1883.2 | 1860.6 |
| 37.5° | 1826.8 | 1819.3 | 1815.4 | 1807.9 | 1796.7 | 1785.4 | 1785.4 | 1759.1 | 1755.3 | 1725.3 | 1695.2 |
| 40° | 1635.1 | 1642.6 | 1635.1 | 1623.8 | 1620.1 | 1612.6 | 1608.8 | 1593.7 | 1582.4 | 1556.2 | 1537.3 |
| 42.5° | 1473.4 | 1465.9 | 1465.9 | 1462.2 | 1447.1 | 1447.1 | 1439.6 | 1432.1 | 1413.3 | 1405.8 | 1383.2 |
| 45° | 1308.1 | 1315.6 | 1304.3 | 1308.1 | 1293.1 | 1293.1 | 1293.1 | 1277.9 | 1262.9 | 1251.7 | 1236.6 |
| 47.5° | 1165.2 | 1169.0 | 1169.0 | 1157.7 | 1154.0 | 1154.0 | 1146.5 | 1138.9 | 1127.6 | 1112.6 | 1101.3 |
| 50° | 1041.2 | 1045.0 | 1037.5 | 1033.7 | 1026.1 | 1022.3 | 1022.3 | 1007.3 | 999.8 | 984.8 | 977.3 |
| 52.5° | 928.5 | 928.5 | 924.7 | 924.7 | 913.3 | 913.3 | 905.8 | 894.6 | 887.1 | 879.6 | 860.7 |
| 55° | 827.0 | 827.0 | 823.2 | 819.5 | 819.5 | 808.1 | 804.3 | 793.1 | 785.6 | 770.6 | 759.2 |
| 57.5° | 729.2 | 733.0 | 729.2 | 725.5 | 721.7 | 718.0 | 710.3 | 699.1 | 691.6 | 680.3 | 672.8 |
| 60° | 650.2 | 650.2 | 646.5 | 642.7 | 635.2 | 631.5 | 627.7 | 620.2 | 609.0 | 601.4 | 590.1 |
| 62.5° | 575.1 | 571.4 | 567.6 | 563.8 | 556.3 | 556.3 | 548.7 | 541.2 | 530.0 | 522.5 | 515.0 |
| 65° | 496.1 | 496.1 | 492.4 | 492.4 | 488.6 | 481.1 | 477.4 | 473.6 | 458.6 | 454.9 | 439.7 |
| 67.5° | 424.7 | 428.5 | 421.0 | 421.0 | 413.5 | 413.5 | 409.7 | 398.5 | 394.6 | 387.1 | 379.6 |
| 70° | 360.9 | 360.9 | 360.9 | 357.1 | 349.6 | 345.9 | 342.0 | 334.5 | 330.7 | 323.2 | 315.7 |
| 72.5° | 297.0 | 297.0 | 293.2 | 293.2 | 289.4 | 285.6 | 281.9 | 274.4 | 274.4 | 266.9 | 259.4 |
| 75° | 240.6 | 240.6 | 236.7 | 233.0 | 229.2 | 229.2 | 225.5 | 221.7 | 214.2 | 210.5 | 206.7 |
| 77.5° | 184.1 | 184.1 | 184.1 | 180.4 | 176.6 | 176.6 | 176.6 | 169.1 | 161.6 | 161.6 | 157.9 |
| 80° | 135.4 | 135.4 | 131.5 | 131.5 | 127.7 | 127.7 | 127.7 | 124.0 | 120.2 | 116.5 | 112.7 |
| 82.5° | 90.2 | 90.2 | 90.2 | 90.2 | 86.5 | 86.5 | 86.5 | 82.7 | 78.9 | 78.9 | 78.9 |
| 85° | 52.6 | 52.6 | 52.6 | 52.6 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 45.1 | 45.1 |
| 87.5° | 22.5 | 18.8 | 22.5 | 18.8 | 22.5 | 18.8 | 22.5 | 18.8 | 18.8 | 18.8 | 18.8 |
| 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° | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 |
| 2.5° | 2676.3 | 2672.5 | 2668.8 | 2665.0 | 2665.0 | 2661.1 | 2653.6 | 2649.9 | 2646.1 | 2642.4 | 2642.4 |
| 5° | 2691.3 | 2687.5 | 2680.0 | 2672.5 | 2668.8 | 2661.1 | 2653.6 | 2646.1 | 2638.6 | 2627.4 | 2623.6 |
| 7.5° | 2702.5 | 2691.3 | 2683.8 | 2668.8 | 2665.0 | 2657.4 | 2646.1 | 2634.9 | 2619.9 | 2604.8 | 2593.5 |
| 10° | 2702.5 | 2687.5 | 2676.3 | 2657.4 | 2649.9 | 2642.4 | 2627.4 | 2608.5 | 2589.8 | 2574.8 | 2555.9 |
| 12.5° | 2695.0 | 2676.3 | 2657.4 | 2638.6 | 2627.4 | 2616.1 | 2593.5 | 2574.8 | 2552.1 | 2529.6 | 2514.6 |
| 15° | 2668.8 | 2646.1 | 2623.6 | 2601.0 | 2589.8 | 2574.8 | 2552.1 | 2525.9 | 2503.3 | 2480.8 | 2454.5 |
| 17.5° | 2619.9 | 2597.3 | 2571.0 | 2544.6 | 2529.6 | 2518.4 | 2484.5 | 2465.8 | 2431.9 | 2409.4 | 2386.8 |
| 20° | 2555.9 | 2529.6 | 2495.8 | 2469.5 | 2450.7 | 2439.4 | 2413.1 | 2379.3 | 2353.0 | 2319.2 | 2296.7 |
| 22.5° | 2473.3 | 2439.4 | 2405.6 | 2379.3 | 2360.5 | 2345.4 | 2311.7 | 2277.8 | 2255.3 | 2225.2 | 2198.9 |
| 25° | 2375.5 | 2341.7 | 2307.9 | 2270.3 | 2251.5 | 2236.4 | 2206.4 | 2176.3 | 2146.3 | 2112.4 | 2089.9 |
| 27.5° | 2259.0 | 2221.4 | 2191.4 | 2157.5 | 2138.8 | 2116.2 | 2082.3 | 2052.3 | 2022.2 | 1999.7 | 1969.5 |
| 30° | 2131.2 | 2089.9 | 2059.8 | 2025.9 | 2007.2 | 1988.4 | 1954.5 | 1924.4 | 1898.2 | 1871.8 | 1856.8 |
| 32.5° | 1977.0 | 1947.0 | 1916.9 | 1883.2 | 1868.1 | 1856.8 | 1823.0 | 1792.9 | 1762.8 | 1740.3 | 1729.1 |
| 35° | 1830.5 | 1796.7 | 1770.4 | 1740.3 | 1721.6 | 1710.2 | 1680.2 | 1653.8 | 1638.8 | 1612.6 | 1597.4 |
| 37.5° | 1676.4 | 1650.1 | 1620.1 | 1589.9 | 1578.7 | 1567.4 | 1544.8 | 1518.6 | 1495.9 | 1477.2 | 1469.7 |
| 40° | 1514.8 | 1492.2 | 1465.9 | 1447.1 | 1435.8 | 1424.6 | 1405.8 | 1386.9 | 1371.9 | 1353.2 | 1345.7 |
| 42.5° | 1360.7 | 1345.7 | 1323.1 | 1300.6 | 1289.2 | 1285.4 | 1262.9 | 1247.9 | 1240.4 | 1232.8 | 1225.3 |
| 45° | 1221.6 | 1199.1 | 1184.0 | 1169.0 | 1157.7 | 1150.2 | 1138.9 | 1127.6 | 1120.1 | 1112.6 | 1105.1 |
| 47.5° | 1086.3 | 1067.5 | 1052.5 | 1041.2 | 1030.0 | 1026.1 | 1018.6 | 1007.3 | 999.8 | 999.8 | 999.8 |
| 50° | 962.2 | 947.2 | 932.2 | 924.7 | 920.8 | 913.3 | 905.8 | 902.1 | 898.3 | 898.3 | 898.3 |
| 52.5° | 853.2 | 838.2 | 827.0 | 819.5 | 819.5 | 811.8 | 804.3 | 800.6 | 800.6 | 800.6 | 800.6 |
| 55° | 751.7 | 740.5 | 733.0 | 725.5 | 718.0 | 714.2 | 714.2 | 714.2 | 710.3 | 710.3 | 714.2 |
| 57.5° | 661.6 | 654.0 | 642.7 | 635.2 | 631.5 | 631.5 | 627.7 | 624.0 | 627.7 | 631.5 | 635.2 |
| 60° | 578.9 | 571.4 | 567.6 | 556.3 | 556.3 | 556.3 | 552.5 | 552.5 | 552.5 | 556.3 | 560.1 |
| 62.5° | 503.7 | 499.9 | 492.4 | 488.6 | 484.9 | 484.9 | 481.1 | 481.1 | 481.1 | 481.1 | 484.9 |
| 65° | 436.0 | 428.5 | 421.0 | 421.0 | 421.0 | 417.2 | 417.2 | 409.7 | 413.5 | 413.5 | 409.7 |
| 67.5° | 372.1 | 364.6 | 360.9 | 357.1 | 353.4 | 353.4 | 349.6 | 345.9 | 342.0 | 342.0 | 342.0 |
| 70° | 312.0 | 304.5 | 304.5 | 297.0 | 297.0 | 293.2 | 289.4 | 289.4 | 285.6 | 281.9 | 278.1 |
| 72.5° | 251.9 | 248.1 | 244.4 | 240.6 | 240.6 | 240.6 | 236.7 | 233.0 | 229.2 | 225.5 | 218.0 |
| 75° | 199.2 | 199.2 | 191.7 | 188.0 | 188.0 | 184.1 | 180.4 | 176.6 | 172.9 | 169.1 | 165.4 |
| 77.5° | 154.1 | 150.4 | 142.9 | 139.1 | 139.1 | 139.1 | 135.4 | 131.5 | 127.7 | 124.0 | 120.2 |
| 80° | 112.7 | 109.0 | 105.2 | 101.5 | 101.5 | 101.5 | 97.7 | 97.7 | 94.0 | 94.0 | 94.0 |
| 82.5° | 75.1 | 75.1 | 71.4 | 71.4 | 71.4 | 71.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| 85° | 45.1 | 45.1 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| 87.5° | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 |
| 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° | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 |
| 2.5° | 2634.9 | 2634.9 | 2627.4 | 2623.6 | 2619.9 | 2623.6 | 2616.1 | 2612.4 | 2608.5 | 2608.5 | 2604.8 |
| 5° | 2612.4 | 2608.5 | 2593.5 | 2589.8 | 2586.0 | 2582.3 | 2574.8 | 2567.3 | 2559.8 | 2555.9 | 2552.1 |
| 7.5° | 2582.3 | 2571.0 | 2555.9 | 2552.1 | 2548.4 | 2537.1 | 2525.9 | 2518.4 | 2507.1 | 2503.3 | 2495.8 |
| 10° | 2540.9 | 2525.9 | 2514.6 | 2503.3 | 2495.8 | 2484.5 | 2473.3 | 2462.0 | 2446.9 | 2443.2 | 2431.9 |
| 12.5° | 2492.0 | 2473.3 | 2450.7 | 2446.9 | 2435.7 | 2420.6 | 2405.6 | 2394.3 | 2383.0 | 2375.5 | 2364.3 |
| 15° | 2431.9 | 2413.1 | 2390.5 | 2379.3 | 2368.0 | 2356.8 | 2337.9 | 2322.9 | 2311.7 | 2300.4 | 2289.0 |
| 17.5° | 2360.5 | 2337.9 | 2319.2 | 2307.9 | 2300.4 | 2281.5 | 2266.5 | 2247.8 | 2236.4 | 2225.2 | 2213.9 |
| 20° | 2274.0 | 2255.3 | 2228.9 | 2217.7 | 2213.9 | 2198.9 | 2180.0 | 2172.5 | 2157.5 | 2146.3 | 2138.8 |
| 22.5° | 2176.3 | 2157.5 | 2134.9 | 2127.4 | 2112.4 | 2104.9 | 2086.2 | 2078.5 | 2071.0 | 2059.8 | 2056.0 |
| 25° | 2067.3 | 2048.5 | 2029.7 | 2025.9 | 2014.7 | 2007.2 | 1995.9 | 1984.7 | 1984.7 | 1973.3 | 1973.3 |
| 27.5° | 1954.5 | 1935.8 | 1920.7 | 1913.2 | 1909.4 | 1901.9 | 1890.7 | 1886.9 | 1883.2 | 1879.4 | 1879.4 |
| 30° | 1834.3 | 1811.7 | 1804.2 | 1800.4 | 1796.7 | 1789.2 | 1785.4 | 1777.9 | 1781.7 | 1785.4 | 1781.7 |
| 32.5° | 1706.4 | 1698.9 | 1683.9 | 1676.4 | 1680.2 | 1676.4 | 1668.9 | 1676.4 | 1672.7 | 1680.2 | 1683.9 |
| 35° | 1582.4 | 1574.9 | 1567.4 | 1567.4 | 1559.9 | 1559.9 | 1559.9 | 1563.7 | 1571.2 | 1574.9 | 1582.4 |
| 37.5° | 1462.2 | 1450.9 | 1447.1 | 1443.3 | 1447.1 | 1447.1 | 1447.1 | 1454.7 | 1462.2 | 1469.7 | 1480.9 |
| 40° | 1334.3 | 1326.8 | 1326.8 | 1326.8 | 1326.8 | 1338.1 | 1334.3 | 1341.8 | 1349.4 | 1360.7 | 1371.9 |
| 42.5° | 1214.1 | 1214.1 | 1217.8 | 1217.8 | 1217.8 | 1217.8 | 1225.3 | 1236.6 | 1247.9 | 1259.2 | 1270.4 |
| 45° | 1101.3 | 1101.3 | 1101.3 | 1108.8 | 1108.8 | 1112.6 | 1127.6 | 1135.2 | 1142.7 | 1154.0 | 1165.2 |
| 47.5° | 996.1 | 996.1 | 999.8 | 1003.6 | 1007.3 | 1014.8 | 1022.3 | 1033.7 | 1045.0 | 1052.5 | 1063.7 |
| 50° | 898.3 | 902.1 | 909.6 | 917.1 | 917.1 | 920.8 | 932.2 | 939.7 | 947.2 | 958.5 | 962.2 |
| 52.5° | 804.3 | 811.8 | 819.5 | 823.2 | 827.0 | 834.5 | 838.2 | 849.5 | 853.2 | 864.5 | 868.2 |
| 55° | 718.0 | 721.7 | 733.0 | 736.7 | 736.7 | 744.2 | 751.7 | 759.2 | 770.6 | 770.6 | 778.1 |
| 57.5° | 639.0 | 642.7 | 650.2 | 654.0 | 650.2 | 661.6 | 665.3 | 672.8 | 676.6 | 684.1 | 687.8 |
| 60° | 560.1 | 567.6 | 571.4 | 571.4 | 575.1 | 578.9 | 586.4 | 586.4 | 593.9 | 601.4 | 601.4 |
| 62.5° | 484.9 | 488.6 | 492.4 | 496.1 | 499.9 | 496.1 | 507.5 | 507.5 | 515.0 | 518.7 | 526.2 |
| 65° | 413.5 | 417.2 | 417.2 | 421.0 | 421.0 | 424.7 | 424.7 | 428.5 | 432.2 | 439.7 | 443.5 |
| 67.5° | 342.0 | 342.0 | 342.0 | 345.9 | 342.0 | 345.9 | 345.9 | 349.6 | 349.6 | 357.1 | 360.9 |
| 70° | 278.1 | 274.4 | 270.6 | 270.6 | 270.6 | 270.6 | 266.9 | 270.6 | 270.6 | 274.4 | 274.4 |
| 72.5° | 214.2 | 210.5 | 206.7 | 203.0 | 203.0 | 199.2 | 195.5 | 199.2 | 199.2 | 203.0 | 203.0 |
| 75° | 161.6 | 154.1 | 154.1 | 154.1 | 150.4 | 150.4 | 150.4 | 154.1 | 154.1 | 154.1 | 157.9 |
| 77.5° | 120.2 | 120.2 | 116.5 | 116.5 | 116.5 | 120.2 | 120.2 | 124.0 | 124.0 | 124.0 | 124.0 |
| 80° | 90.2 | 94.0 | 94.0 | 94.0 | 94.0 | 97.7 | 97.7 | 97.7 | 97.7 | 101.5 | 101.5 |
| 82.5° | 67.6 | 67.6 | 67.6 | 67.6 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 85° | 41.4 | 45.1 | 45.1 | 41.4 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| 87.5° | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 |
| 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: P584965

CATALOG NUMBER: HCC8W55D010MW-HM82555835-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 | 2646.1 |
| 2.5° | 2601.0 | 2601.0 | 2601.0 | 2601.0 | 2597.3 | 2597.3 | 2597.3 | 2593.5 |
| 5° | 2544.6 | 2544.6 | 2544.6 | 2537.1 | 2540.9 | 2540.9 | 2533.4 | 2537.1 |
| 7.5° | 2488.3 | 2484.5 | 2480.8 | 2480.8 | 2477.0 | 2473.3 | 2469.5 | 2473.3 |
| 10° | 2424.4 | 2413.1 | 2413.1 | 2409.4 | 2409.4 | 2401.9 | 2401.9 | 2405.6 |
| 12.5° | 2353.0 | 2345.4 | 2345.4 | 2341.7 | 2337.9 | 2334.2 | 2330.4 | 2330.4 |
| 15° | 2281.5 | 2274.0 | 2270.3 | 2266.5 | 2262.8 | 2255.3 | 2259.0 | 2255.3 |
| 17.5° | 2210.2 | 2198.9 | 2198.9 | 2195.2 | 2191.4 | 2183.8 | 2183.8 | 2180.0 |
| 20° | 2127.4 | 2123.7 | 2116.2 | 2119.9 | 2116.2 | 2108.7 | 2104.9 | 2104.9 |
| 22.5° | 2044.8 | 2044.8 | 2041.0 | 2041.0 | 2037.3 | 2033.5 | 2029.7 | 2029.7 |
| 25° | 1965.8 | 1962.0 | 1965.8 | 1965.8 | 1954.5 | 1954.5 | 1954.5 | 1958.3 |
| 27.5° | 1875.7 | 1879.4 | 1875.7 | 1875.7 | 1875.7 | 1875.7 | 1879.4 | 1875.7 |
| 30° | 1785.4 | 1785.4 | 1785.4 | 1789.2 | 1796.7 | 1792.9 | 1792.9 | 1789.2 |
| 32.5° | 1687.7 | 1691.4 | 1691.4 | 1695.2 | 1698.9 | 1706.4 | 1706.4 | 1710.2 |
| 35° | 1589.9 | 1597.4 | 1601.2 | 1597.4 | 1608.8 | 1608.8 | 1616.3 | 1616.3 |
| 37.5° | 1488.4 | 1492.2 | 1499.7 | 1503.6 | 1511.1 | 1514.8 | 1518.6 | 1518.6 |
| 40° | 1379.4 | 1394.4 | 1398.3 | 1402.1 | 1413.3 | 1413.3 | 1417.1 | 1424.6 |
| 42.5° | 1277.9 | 1293.1 | 1296.8 | 1300.6 | 1308.1 | 1319.3 | 1315.6 | 1323.1 |
| 45° | 1180.2 | 1191.6 | 1195.3 | 1199.1 | 1210.3 | 1214.1 | 1214.1 | 1225.3 |
| 47.5° | 1075.0 | 1082.6 | 1086.3 | 1093.8 | 1101.3 | 1108.8 | 1116.3 | 1112.6 |
| 50° | 969.7 | 981.1 | 988.6 | 992.3 | 1003.6 | 1007.3 | 1011.1 | 1014.8 |
| 52.5° | 875.8 | 883.3 | 887.1 | 890.8 | 902.1 | 905.8 | 909.6 | 917.1 |
| 55° | 785.6 | 789.3 | 796.8 | 793.1 | 804.3 | 808.1 | 811.8 | 819.5 |
| 57.5° | 695.3 | 699.1 | 702.8 | 702.8 | 710.3 | 718.0 | 721.7 | 725.5 |
| 60° | 609.0 | 616.5 | 620.2 | 620.2 | 620.2 | 627.7 | 627.7 | 627.7 |
| 62.5° | 530.0 | 530.0 | 533.7 | 533.7 | 541.2 | 541.2 | 541.2 | 541.2 |
| 65° | 447.2 | 451.1 | 454.9 | 454.9 | 462.4 | 458.6 | 466.1 | 462.4 |
| 67.5° | 360.9 | 360.9 | 368.4 | 368.4 | 364.6 | 368.4 | 368.4 | 368.4 |
| 70° | 274.4 | 274.4 | 278.1 | 278.1 | 278.1 | 278.1 | 278.1 | 278.1 |
| 72.5° | 203.0 | 203.0 | 203.0 | 206.7 | 203.0 | 203.0 | 206.7 | 203.0 |
| 75° | 157.9 | 157.9 | 157.9 | 157.9 | 157.9 | 157.9 | 157.9 | 157.9 |
| 77.5° | 124.0 | 124.0 | 127.7 | 127.7 | 127.7 | 127.7 | 127.7 | 127.7 |
| 80° | 101.5 | 101.5 | 101.5 | 101.5 | 105.2 | 101.5 | 101.5 | 101.5 |
| 82.5° | 75.1 | 71.4 | 75.1 | 71.4 | 75.1 | 75.1 | 75.1 | 75.1 |
| 85° | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| 87.5° | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 | 18.8 |
| 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)