

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: P585220

Luminaire Tested: **HCC8W80D010BZ-HM86080830-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585220
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: HCC8W80D010BZ-HM86080830-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

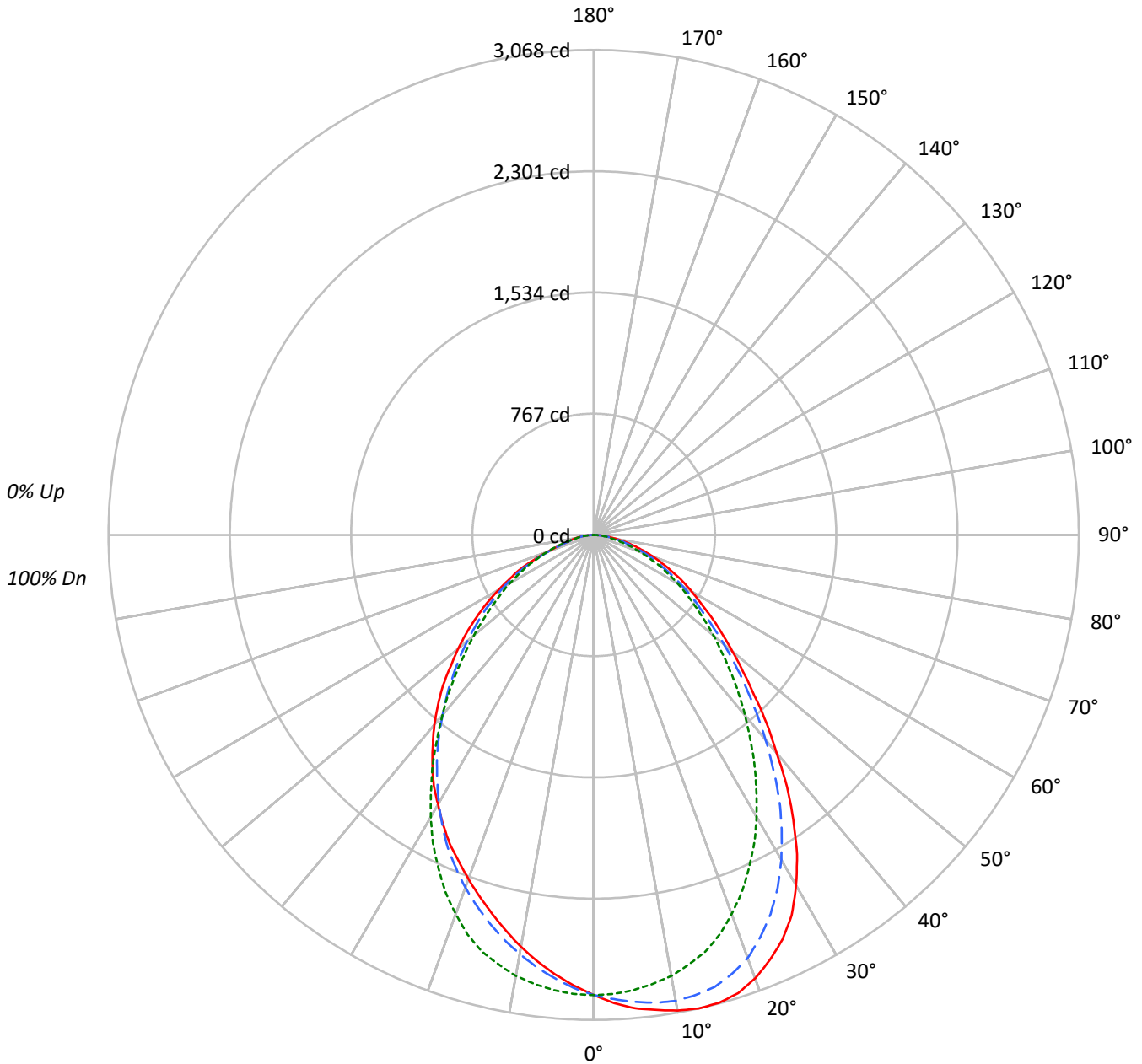
Lumens per Lamp: N/A
Luminaire Lumens: 5854.5 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 70
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: P585220
CATALOG NUMBER: HCC8W80D010BZ-HM86080830-81WWWB

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: HCC8W80D010BZ-HM86080830-81WWWB

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° | 89761 | 89761 | 89761 |
| 5° | 93045 | 89464 | 86390 |
| 10° | 95677 | 88685 | 82858 |
| 15° | 97809 | 87121 | 79197 |
| 20° | 97964 | 83715 | 75984 |
| 25° | 96084 | 79065 | 73295 |
| 30° | 91132 | 73318 | 70081 |
| 35° | 82802 | 66773 | 66928 |
| 40° | 72401 | 59918 | 63082 |
| 45° | 62749 | 53369 | 58785 |
| 50° | 54948 | 47407 | 53557 |
| 55° | 48907 | 42009 | 48461 |
| 60° | 44114 | 37744 | 42585 |
| 65° | 39824 | 33184 | 37103 |
| 70° | 35784 | 27958 | 27580 |
| 75° | 31537 | 22172 | 20695 |
| 80° | 26442 | 18344 | 19818 |
| 85° | 20485 | 16098 | 17549 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 274.6 | 4.7 |
| 10°-20° | 773.5 | 13.2 |
| 20°-30° | 1105.4 | 18.9 |
| 30°-40° | 1174.5 | 20.1 |
| 40°-50° | 1011.2 | 17.3 |
| 50°-60° | 756.0 | 12.9 |
| 60°-70° | 482.2 | 8.2 |
| 70°-80° | 219.5 | 3.7 |
| 80°-90° | 57.6 | 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° | 2153.4 | 36.8 |
| 0°-40° | 3327.9 | 56.8 |
| 0°-60° | 5095.2 | 87.0 |
| 0°-90° | 5854.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5854.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2911 | 2911 | 2911 | 2911 | 2911 | |
| 5° | 3006 | 2965 | 2890 | 2816 | 2791 | 288 |
| 15° | 3064 | 2960 | 2729 | 2543 | 2481 | 863 |
| 25° | 2824 | 2646 | 2324 | 2183 | 2154 | 1293 |
| 35° | 2200 | 2047 | 1774 | 1728 | 1778 | 1370 |
| 45° | 1439 | 1360 | 1224 | 1257 | 1348 | 1119 |
| 55° | 910 | 835 | 781 | 848 | 901 | 818 |
| 65° | 546 | 484 | 455 | 476 | 508 | 544 |
| 75° | 265 | 228 | 186 | 170 | 174 | 281 |
| 85° | 58 | 50 | 46 | 50 | 50 | 70 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P585220

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 22.5° | 25° | 30° | 35° | 40° | 45° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 |
| 2.5° | 2964.7 | 2956.3 | 2960.5 | 2956.3 | 2960.5 | 2960.5 | 2952.2 | 2952.2 | 2952.2 | 2952.2 | 2939.8 |
| 5° | 3005.9 | 3001.9 | 3001.9 | 2997.7 | 2993.5 | 2997.7 | 2993.5 | 2989.4 | 2981.2 | 2977.0 | 2964.7 |
| 7.5° | 3030.8 | 3030.8 | 3030.8 | 3030.8 | 3026.6 | 3022.6 | 3018.4 | 3010.1 | 3001.9 | 2993.5 | 2985.3 |
| 10° | 3055.6 | 3059.8 | 3055.6 | 3051.4 | 3047.3 | 3039.1 | 3034.9 | 3026.6 | 3014.2 | 3001.9 | 2993.5 |
| 12.5° | 3068.0 | 3068.0 | 3063.8 | 3063.8 | 3055.6 | 3051.4 | 3039.1 | 3026.6 | 3014.2 | 3001.9 | 2981.2 |
| 15° | 3063.8 | 3063.8 | 3059.8 | 3055.6 | 3043.1 | 3039.1 | 3030.8 | 3018.4 | 2997.7 | 2981.2 | 2960.5 |
| 17.5° | 3039.1 | 3034.9 | 3026.6 | 3026.6 | 3010.1 | 3005.9 | 2997.7 | 2981.2 | 2960.5 | 2935.6 | 2910.9 |
| 20° | 2985.3 | 2985.3 | 2981.2 | 2977.0 | 2960.5 | 2948.1 | 2939.8 | 2919.1 | 2902.6 | 2873.7 | 2848.8 |
| 22.5° | 2910.9 | 2919.1 | 2910.9 | 2902.6 | 2881.9 | 2877.7 | 2865.4 | 2840.5 | 2815.8 | 2782.7 | 2753.7 |
| 25° | 2824.0 | 2820.0 | 2815.8 | 2807.5 | 2790.9 | 2782.7 | 2766.2 | 2741.4 | 2716.5 | 2679.3 | 2646.2 |
| 27.5° | 2712.3 | 2695.8 | 2695.8 | 2679.3 | 2666.9 | 2654.6 | 2646.2 | 2621.4 | 2588.3 | 2559.4 | 2518.1 |
| 30° | 2559.4 | 2563.6 | 2542.9 | 2538.8 | 2518.1 | 2509.7 | 2493.2 | 2468.5 | 2439.5 | 2406.4 | 2373.4 |
| 32.5° | 2394.1 | 2381.6 | 2381.6 | 2365.0 | 2348.5 | 2336.1 | 2332.0 | 2303.1 | 2278.2 | 2245.2 | 2212.1 |
| 35° | 2199.6 | 2199.6 | 2187.3 | 2183.1 | 2166.6 | 2158.4 | 2145.9 | 2129.4 | 2100.5 | 2071.5 | 2046.7 |
| 37.5° | 2009.5 | 2001.2 | 1997.0 | 1988.8 | 1976.4 | 1964.0 | 1964.0 | 1935.1 | 1930.9 | 1897.9 | 1864.8 |
| 40° | 1798.6 | 1806.9 | 1798.6 | 1786.2 | 1782.1 | 1773.8 | 1769.7 | 1753.2 | 1740.7 | 1711.8 | 1691.1 |
| 42.5° | 1620.8 | 1612.5 | 1612.5 | 1608.4 | 1591.8 | 1591.8 | 1583.6 | 1575.3 | 1554.6 | 1546.4 | 1521.6 |
| 45° | 1438.9 | 1447.1 | 1434.8 | 1438.9 | 1422.4 | 1422.4 | 1422.4 | 1405.9 | 1389.2 | 1376.9 | 1360.3 |
| 47.5° | 1281.7 | 1285.9 | 1285.9 | 1273.5 | 1269.4 | 1269.4 | 1261.1 | 1252.8 | 1240.5 | 1223.8 | 1211.5 |
| 50° | 1145.4 | 1149.4 | 1141.2 | 1137.0 | 1128.8 | 1124.7 | 1124.7 | 1108.1 | 1099.8 | 1083.3 | 1075.1 |
| 52.5° | 1021.2 | 1021.2 | 1017.2 | 1017.2 | 1004.7 | 1004.7 | 996.5 | 984.0 | 975.8 | 967.5 | 946.8 |
| 55° | 909.7 | 909.7 | 905.5 | 901.4 | 901.4 | 889.0 | 884.9 | 872.5 | 864.2 | 847.6 | 835.3 |
| 57.5° | 802.1 | 806.3 | 802.1 | 798.1 | 793.9 | 789.7 | 781.4 | 769.0 | 760.8 | 748.4 | 740.2 |
| 60° | 715.3 | 715.3 | 711.1 | 707.1 | 698.8 | 694.6 | 690.5 | 682.2 | 669.9 | 661.6 | 649.2 |
| 62.5° | 632.7 | 628.5 | 624.3 | 620.2 | 612.0 | 612.0 | 603.7 | 595.5 | 583.0 | 574.8 | 566.4 |
| 65° | 545.8 | 545.8 | 541.7 | 541.7 | 537.5 | 529.2 | 525.1 | 521.0 | 504.5 | 500.3 | 483.8 |
| 67.5° | 467.3 | 471.3 | 463.1 | 463.1 | 454.8 | 454.8 | 450.6 | 438.3 | 434.1 | 425.9 | 417.6 |
| 70° | 396.9 | 396.9 | 396.9 | 392.8 | 384.5 | 380.4 | 376.3 | 368.0 | 363.8 | 355.6 | 347.3 |
| 72.5° | 326.6 | 326.6 | 322.5 | 322.5 | 318.4 | 314.3 | 310.1 | 301.9 | 301.9 | 293.6 | 285.2 |
| 75° | 264.7 | 264.7 | 260.5 | 256.3 | 252.2 | 252.2 | 248.1 | 244.0 | 235.7 | 231.5 | 227.5 |
| 77.5° | 202.6 | 202.6 | 202.6 | 198.4 | 194.3 | 194.3 | 194.3 | 186.1 | 177.8 | 177.8 | 173.7 |
| 80° | 148.9 | 148.9 | 144.7 | 144.7 | 140.5 | 140.5 | 140.5 | 136.5 | 132.3 | 128.2 | 124.0 |
| 82.5° | 99.3 | 99.3 | 99.3 | 99.3 | 95.1 | 95.1 | 95.1 | 91.0 | 86.8 | 86.8 | 86.8 |
| 85° | 57.9 | 57.9 | 57.9 | 57.9 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 49.6 | 49.6 |
| 87.5° | 24.9 | 20.7 | 24.9 | 20.7 | 24.9 | 20.7 | 24.9 | 20.7 | 20.7 | 20.7 | 20.7 |
| 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° | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 |
| 2.5° | 2944.0 | 2939.8 | 2935.6 | 2931.6 | 2931.6 | 2927.4 | 2919.1 | 2915.0 | 2910.9 | 2906.7 | 2906.7 |
| 5° | 2960.5 | 2956.3 | 2948.1 | 2939.8 | 2935.6 | 2927.4 | 2919.1 | 2910.9 | 2902.6 | 2890.2 | 2886.1 |
| 7.5° | 2972.9 | 2960.5 | 2952.2 | 2935.6 | 2931.6 | 2923.3 | 2910.9 | 2898.4 | 2881.9 | 2865.4 | 2853.0 |
| 10° | 2972.9 | 2956.3 | 2944.0 | 2923.3 | 2915.0 | 2906.7 | 2890.2 | 2869.5 | 2848.8 | 2832.3 | 2811.6 |
| 12.5° | 2964.7 | 2944.0 | 2923.3 | 2902.6 | 2890.2 | 2877.7 | 2853.0 | 2832.3 | 2807.5 | 2782.7 | 2766.2 |
| 15° | 2935.6 | 2910.9 | 2886.1 | 2861.2 | 2848.8 | 2832.3 | 2807.5 | 2778.6 | 2753.7 | 2729.0 | 2700.0 |
| 17.5° | 2881.9 | 2857.2 | 2828.2 | 2799.3 | 2782.7 | 2770.3 | 2733.0 | 2712.3 | 2675.1 | 2650.4 | 2625.5 |
| 20° | 2811.6 | 2782.7 | 2745.5 | 2716.5 | 2695.8 | 2683.5 | 2654.6 | 2617.3 | 2588.3 | 2551.1 | 2526.4 |
| 22.5° | 2720.7 | 2683.5 | 2646.2 | 2617.3 | 2596.7 | 2580.1 | 2542.9 | 2505.7 | 2480.8 | 2447.8 | 2418.8 |
| 25° | 2613.2 | 2576.0 | 2538.8 | 2497.4 | 2476.7 | 2460.2 | 2427.1 | 2394.1 | 2361.0 | 2323.8 | 2298.9 |
| 27.5° | 2485.0 | 2443.6 | 2410.6 | 2373.4 | 2352.7 | 2327.8 | 2290.6 | 2257.6 | 2224.5 | 2199.6 | 2166.6 |
| 30° | 2344.4 | 2298.9 | 2265.9 | 2228.7 | 2208.0 | 2187.3 | 2150.1 | 2117.0 | 2088.0 | 2059.1 | 2042.6 |
| 32.5° | 2174.9 | 2141.7 | 2108.7 | 2071.5 | 2054.9 | 2042.6 | 2005.4 | 1972.3 | 1939.1 | 1914.4 | 1902.0 |
| 35° | 2013.6 | 1976.4 | 1947.5 | 1914.4 | 1893.7 | 1881.4 | 1848.2 | 1819.3 | 1802.8 | 1773.8 | 1757.2 |
| 37.5° | 1844.1 | 1815.1 | 1782.1 | 1749.0 | 1736.7 | 1724.2 | 1699.4 | 1670.4 | 1645.6 | 1625.0 | 1616.7 |
| 40° | 1666.3 | 1641.5 | 1612.5 | 1591.8 | 1579.5 | 1567.1 | 1546.4 | 1525.7 | 1509.2 | 1488.5 | 1480.2 |
| 42.5° | 1496.8 | 1480.2 | 1455.5 | 1430.6 | 1418.2 | 1414.1 | 1389.2 | 1372.7 | 1364.5 | 1356.2 | 1348.0 |
| 45° | 1343.8 | 1319.0 | 1302.4 | 1285.9 | 1273.5 | 1265.2 | 1252.8 | 1240.5 | 1232.2 | 1223.8 | 1215.6 |
| 47.5° | 1194.9 | 1174.3 | 1157.7 | 1145.4 | 1132.9 | 1128.8 | 1120.5 | 1108.1 | 1099.8 | 1099.8 | 1099.8 |
| 50° | 1058.4 | 1041.9 | 1025.4 | 1017.2 | 1013.0 | 1004.7 | 996.5 | 992.3 | 988.2 | 988.2 | 988.2 |
| 52.5° | 938.6 | 922.1 | 909.7 | 901.4 | 901.4 | 893.1 | 884.9 | 880.7 | 880.7 | 880.7 | 880.7 |
| 55° | 826.9 | 814.6 | 806.3 | 798.1 | 789.7 | 785.6 | 785.6 | 785.6 | 781.4 | 781.4 | 785.6 |
| 57.5° | 727.7 | 719.5 | 707.1 | 698.8 | 694.6 | 694.6 | 690.5 | 686.4 | 690.5 | 694.6 | 698.8 |
| 60° | 636.7 | 628.5 | 624.3 | 612.0 | 612.0 | 612.0 | 607.8 | 607.8 | 607.8 | 612.0 | 616.0 |
| 62.5° | 554.1 | 549.9 | 541.7 | 537.5 | 533.4 | 533.4 | 529.2 | 529.2 | 529.2 | 529.2 | 533.4 |
| 65° | 479.6 | 471.3 | 463.1 | 463.1 | 463.1 | 459.0 | 459.0 | 450.6 | 454.8 | 454.8 | 450.6 |
| 67.5° | 409.4 | 401.0 | 396.9 | 392.8 | 388.7 | 388.7 | 384.5 | 380.4 | 376.3 | 376.3 | 376.3 |
| 70° | 343.1 | 334.9 | 334.9 | 326.6 | 326.6 | 322.5 | 318.4 | 318.4 | 314.3 | 310.1 | 305.9 |
| 72.5° | 277.0 | 272.9 | 268.7 | 264.7 | 264.7 | 264.7 | 260.5 | 256.3 | 252.2 | 248.1 | 239.8 |
| 75° | 219.1 | 219.1 | 210.9 | 206.8 | 206.8 | 202.6 | 198.4 | 194.3 | 190.2 | 186.1 | 181.9 |
| 77.5° | 169.6 | 165.4 | 157.1 | 153.0 | 153.0 | 153.0 | 148.9 | 144.7 | 140.5 | 136.5 | 132.3 |
| 80° | 124.0 | 119.9 | 115.8 | 111.6 | 111.6 | 111.6 | 107.5 | 107.5 | 103.3 | 103.3 | 103.3 |
| 82.5° | 82.8 | 82.8 | 78.6 | 78.6 | 78.6 | 78.6 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 85° | 49.6 | 49.6 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| 87.5° | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 |
| 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: P585220

CATALOG NUMBER: HCC8W80D010BZ-HM86080830-81WWWB

CANDELA DISTRIBUTION (continued):

| | 100° | 105° | 110° | 112.5° | 115° | 120° | 125° | 130° | 135° | 140° | 145° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 |
| 2.5° | 2898.4 | 2898.4 | 2890.2 | 2886.1 | 2881.9 | 2886.1 | 2877.7 | 2873.7 | 2869.5 | 2869.5 | 2865.4 |
| 5° | 2873.7 | 2869.5 | 2853.0 | 2848.8 | 2844.7 | 2840.5 | 2832.3 | 2824.0 | 2815.8 | 2811.6 | 2807.5 |
| 7.5° | 2840.5 | 2828.2 | 2811.6 | 2807.5 | 2803.3 | 2790.9 | 2778.6 | 2770.3 | 2757.9 | 2753.7 | 2745.5 |
| 10° | 2795.1 | 2778.6 | 2766.2 | 2753.7 | 2745.5 | 2733.0 | 2720.7 | 2708.3 | 2691.8 | 2687.6 | 2675.1 |
| 12.5° | 2741.4 | 2720.7 | 2695.8 | 2691.8 | 2679.3 | 2662.8 | 2646.2 | 2633.9 | 2621.4 | 2613.2 | 2600.8 |
| 15° | 2675.1 | 2654.6 | 2629.7 | 2617.3 | 2604.9 | 2592.5 | 2571.8 | 2555.3 | 2542.9 | 2530.4 | 2518.1 |
| 17.5° | 2596.7 | 2571.8 | 2551.1 | 2538.8 | 2530.4 | 2509.7 | 2493.2 | 2472.5 | 2460.2 | 2447.8 | 2435.4 |
| 20° | 2501.5 | 2480.8 | 2452.0 | 2439.5 | 2435.4 | 2418.8 | 2398.2 | 2389.9 | 2373.4 | 2361.0 | 2352.7 |
| 22.5° | 2394.1 | 2373.4 | 2348.5 | 2340.3 | 2323.8 | 2315.5 | 2294.8 | 2286.6 | 2278.2 | 2265.9 | 2261.7 |
| 25° | 2274.1 | 2253.4 | 2232.8 | 2228.7 | 2216.2 | 2208.0 | 2195.6 | 2183.1 | 2183.1 | 2170.8 | 2170.8 |
| 27.5° | 2150.1 | 2129.4 | 2112.9 | 2104.5 | 2100.5 | 2092.2 | 2079.8 | 2075.6 | 2071.5 | 2067.4 | 2067.4 |
| 30° | 2017.7 | 1993.0 | 1984.7 | 1980.5 | 1976.4 | 1968.2 | 1964.0 | 1955.8 | 1959.8 | 1964.0 | 1959.8 |
| 32.5° | 1877.2 | 1868.9 | 1852.3 | 1844.1 | 1848.2 | 1844.1 | 1835.8 | 1844.1 | 1840.0 | 1848.2 | 1852.3 |
| 35° | 1740.7 | 1732.5 | 1724.2 | 1724.2 | 1716.0 | 1716.0 | 1716.0 | 1720.0 | 1728.3 | 1732.5 | 1740.7 |
| 37.5° | 1608.4 | 1596.0 | 1591.8 | 1587.8 | 1591.8 | 1591.8 | 1591.8 | 1600.2 | 1608.4 | 1616.7 | 1629.0 |
| 40° | 1467.8 | 1459.6 | 1459.6 | 1459.6 | 1459.6 | 1472.0 | 1467.8 | 1476.1 | 1484.3 | 1496.8 | 1509.2 |
| 42.5° | 1335.5 | 1335.5 | 1339.6 | 1339.6 | 1339.6 | 1339.6 | 1348.0 | 1360.3 | 1372.7 | 1385.2 | 1397.6 |
| 45° | 1211.5 | 1211.5 | 1211.5 | 1219.8 | 1219.8 | 1223.8 | 1240.5 | 1248.7 | 1257.0 | 1269.4 | 1281.7 |
| 47.5° | 1095.7 | 1095.7 | 1099.8 | 1104.0 | 1108.1 | 1116.4 | 1124.7 | 1137.0 | 1149.4 | 1157.7 | 1170.1 |
| 50° | 988.2 | 992.3 | 1000.7 | 1008.9 | 1008.9 | 1013.0 | 1025.4 | 1033.7 | 1041.9 | 1054.4 | 1058.4 |
| 52.5° | 884.9 | 893.1 | 901.4 | 905.5 | 909.7 | 917.9 | 922.1 | 934.4 | 938.6 | 951.0 | 955.1 |
| 55° | 789.7 | 793.9 | 806.3 | 810.4 | 810.4 | 818.6 | 826.9 | 835.3 | 847.6 | 847.6 | 855.8 |
| 57.5° | 702.9 | 707.1 | 715.3 | 719.5 | 715.3 | 727.7 | 731.8 | 740.2 | 744.3 | 752.5 | 756.7 |
| 60° | 616.0 | 624.3 | 628.5 | 628.5 | 632.7 | 636.7 | 645.0 | 645.0 | 653.2 | 661.6 | 661.6 |
| 62.5° | 533.4 | 537.5 | 541.7 | 545.8 | 549.9 | 545.8 | 558.2 | 558.2 | 566.4 | 570.6 | 578.9 |
| 65° | 454.8 | 459.0 | 459.0 | 463.1 | 463.1 | 467.3 | 467.3 | 471.3 | 475.5 | 483.8 | 487.8 |
| 67.5° | 376.3 | 376.3 | 376.3 | 380.4 | 376.3 | 380.4 | 380.4 | 384.5 | 384.5 | 392.8 | 396.9 |
| 70° | 305.9 | 301.9 | 297.7 | 297.7 | 297.7 | 297.7 | 293.6 | 297.7 | 297.7 | 301.9 | 301.9 |
| 72.5° | 235.7 | 231.5 | 227.5 | 223.3 | 223.3 | 219.1 | 215.0 | 219.1 | 219.1 | 223.3 | 223.3 |
| 75° | 177.8 | 169.6 | 169.6 | 169.6 | 165.4 | 165.4 | 165.4 | 169.6 | 169.6 | 169.6 | 173.7 |
| 77.5° | 132.3 | 132.3 | 128.2 | 128.2 | 128.2 | 132.3 | 132.3 | 136.5 | 136.5 | 136.5 | 136.5 |
| 80° | 99.3 | 103.3 | 103.3 | 103.3 | 103.3 | 107.5 | 107.5 | 107.5 | 107.5 | 111.6 | 111.6 |
| 82.5° | 74.4 | 74.4 | 74.4 | 74.4 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| 85° | 45.5 | 49.6 | 49.6 | 45.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 87.5° | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 |
| 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: P585220

CATALOG NUMBER: HCC8W80D010BZ-HM86080830-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 | 2910.9 |
| 2.5° | 2861.2 | 2861.2 | 2861.2 | 2861.2 | 2857.2 | 2857.2 | 2857.2 | 2853.0 |
| 5° | 2799.3 | 2799.3 | 2799.3 | 2790.9 | 2795.1 | 2795.1 | 2786.8 | 2790.9 |
| 7.5° | 2737.2 | 2733.0 | 2729.0 | 2729.0 | 2724.8 | 2720.7 | 2716.5 | 2720.7 |
| 10° | 2666.9 | 2654.6 | 2654.6 | 2650.4 | 2650.4 | 2642.1 | 2642.1 | 2646.2 |
| 12.5° | 2588.3 | 2580.1 | 2580.1 | 2576.0 | 2571.8 | 2567.6 | 2563.6 | 2563.6 |
| 15° | 2509.7 | 2501.5 | 2497.4 | 2493.2 | 2489.2 | 2480.8 | 2485.0 | 2480.8 |
| 17.5° | 2431.3 | 2418.8 | 2418.8 | 2414.7 | 2410.6 | 2402.3 | 2402.3 | 2398.2 |
| 20° | 2340.3 | 2336.1 | 2327.8 | 2332.0 | 2327.8 | 2319.6 | 2315.5 | 2315.5 |
| 22.5° | 2249.4 | 2249.4 | 2245.2 | 2245.2 | 2241.0 | 2236.9 | 2232.8 | 2232.8 |
| 25° | 2162.4 | 2158.4 | 2162.4 | 2162.4 | 2150.1 | 2150.1 | 2150.1 | 2154.2 |
| 27.5° | 2063.3 | 2067.4 | 2063.3 | 2063.3 | 2063.3 | 2063.3 | 2067.4 | 2063.3 |
| 30° | 1964.0 | 1964.0 | 1964.0 | 1968.2 | 1976.4 | 1972.3 | 1972.3 | 1968.2 |
| 32.5° | 1856.5 | 1860.7 | 1860.7 | 1864.8 | 1868.9 | 1877.2 | 1877.2 | 1881.4 |
| 35° | 1749.0 | 1757.2 | 1761.4 | 1757.2 | 1769.7 | 1769.7 | 1777.9 | 1777.9 |
| 37.5° | 1637.4 | 1641.5 | 1649.7 | 1653.9 | 1662.2 | 1666.3 | 1670.4 | 1670.4 |
| 40° | 1517.4 | 1534.0 | 1538.1 | 1542.3 | 1554.6 | 1554.6 | 1558.8 | 1567.1 |
| 42.5° | 1405.9 | 1422.4 | 1426.4 | 1430.6 | 1438.9 | 1451.3 | 1447.1 | 1455.5 |
| 45° | 1298.3 | 1310.8 | 1314.8 | 1319.0 | 1331.4 | 1335.5 | 1335.5 | 1348.0 |
| 47.5° | 1182.6 | 1190.8 | 1194.9 | 1203.3 | 1211.5 | 1219.8 | 1228.0 | 1223.8 |
| 50° | 1066.8 | 1079.1 | 1087.5 | 1091.6 | 1104.0 | 1108.1 | 1112.2 | 1116.4 |
| 52.5° | 963.4 | 971.7 | 975.8 | 980.0 | 992.3 | 996.5 | 1000.7 | 1008.9 |
| 55° | 864.2 | 868.3 | 876.5 | 872.5 | 884.9 | 889.0 | 893.1 | 901.4 |
| 57.5° | 764.9 | 769.0 | 773.2 | 773.2 | 781.4 | 789.7 | 793.9 | 798.1 |
| 60° | 669.9 | 678.1 | 682.2 | 682.2 | 682.2 | 690.5 | 690.5 | 690.5 |
| 62.5° | 583.0 | 583.0 | 587.1 | 587.1 | 595.5 | 595.5 | 595.5 | 595.5 |
| 65° | 492.0 | 496.2 | 500.3 | 500.3 | 508.5 | 504.5 | 512.7 | 508.5 |
| 67.5° | 396.9 | 396.9 | 405.2 | 405.2 | 401.0 | 405.2 | 405.2 | 405.2 |
| 70° | 301.9 | 301.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 | 305.9 |
| 72.5° | 223.3 | 223.3 | 223.3 | 227.5 | 223.3 | 223.3 | 227.5 | 223.3 |
| 75° | 173.7 | 173.7 | 173.7 | 173.7 | 173.7 | 173.7 | 173.7 | 173.7 |
| 77.5° | 136.5 | 136.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 80° | 111.6 | 111.6 | 111.6 | 111.6 | 115.8 | 111.6 | 111.6 | 111.6 |
| 82.5° | 82.8 | 78.6 | 82.8 | 78.6 | 82.8 | 82.8 | 82.8 | 82.8 |
| 85° | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 87.5° | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 | 20.7 |
| 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)