

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: P585083

Luminaire Tested: **HCC8W60D010SL-HM86080830-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P585083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8W60D010SL-HM86080830-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

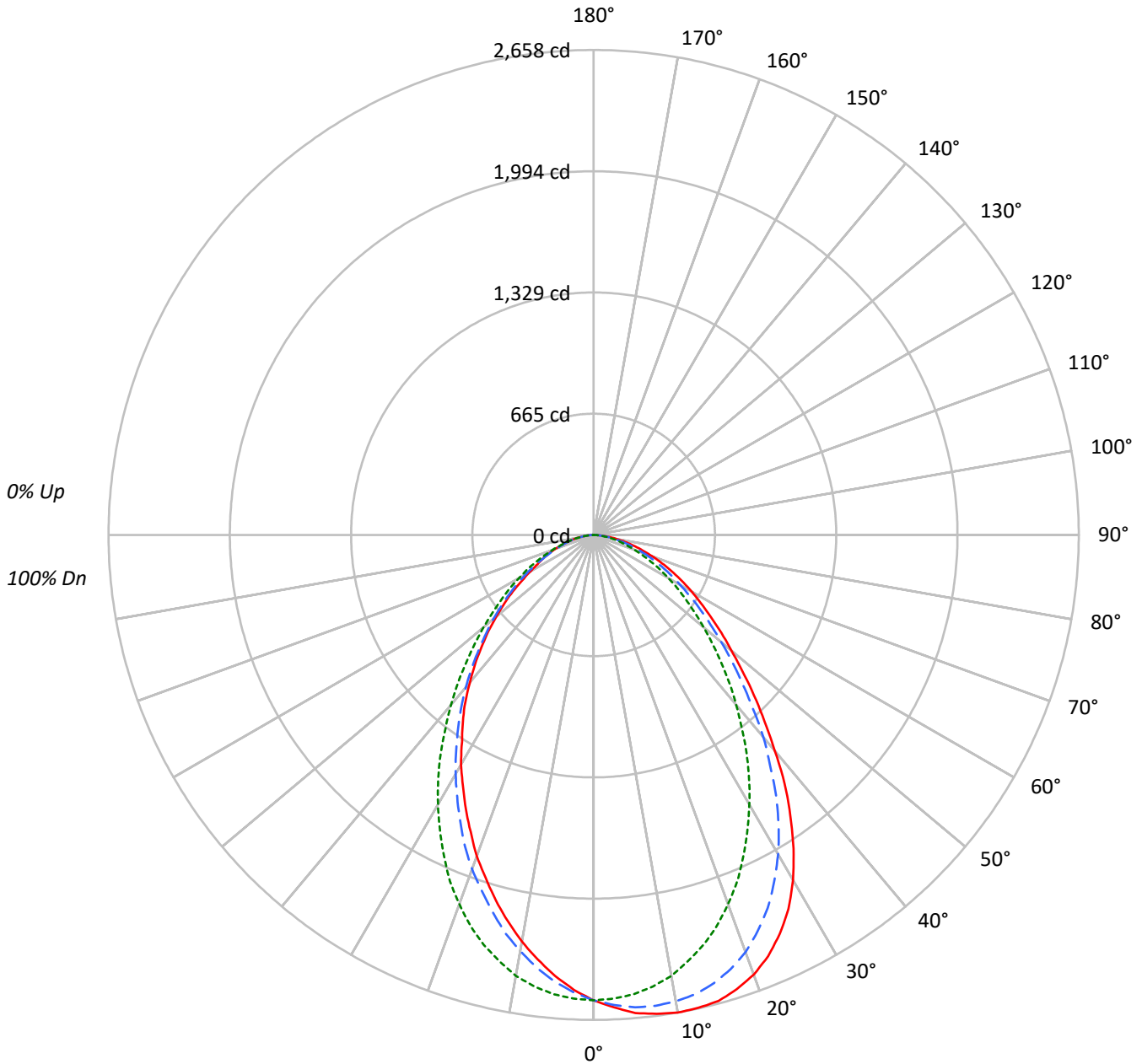
Lumens per Lamp: N/A
Luminaire Lumens: 4707.4 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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: P585083
CATALOG NUMBER: HCC8W60D010SL-HM86080830-81WWW

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 | 110 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 93 | 91 | 89 | 87 | | | | | | | | |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 90 | 85 | 81 | 86 | 83 | 79 | 83 | 80 | 78 | 76 | | | | | | | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 71 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 | | | | | | | | |
| 4 | 87 | 76 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 68 | 64 | 60 | 58 | | | | | | | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 60 | 54 | 64 | 59 | 54 | 63 | 57 | 53 | 51 | | | | | | | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 48 | 57 | 52 | 48 | 46 | | | | | | | | |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 41 | | | | | | | | |
| 8 | 66 | 53 | 46 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 39 | 38 | | | | | | | | |
| 9 | 62 | 49 | 42 | 37 | 60 | 49 | 42 | 37 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 | | | | | | | | |
| 10 | 58 | 46 | 39 | 34 | 57 | 45 | 38 | 34 | 44 | 38 | 33 | 44 | 38 | 33 | 43 | 37 | 33 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 78654 | 78654 | 78654 |
| 5° | 81419 | 78206 | 75098 |
| 10° | 83227 | 76830 | 70872 |
| 15° | 84414 | 74246 | 66182 |
| 20° | 84158 | 70642 | 61440 |
| 25° | 82073 | 66058 | 56405 |
| 30° | 77758 | 60752 | 51758 |
| 35° | 70741 | 54983 | 47033 |
| 40° | 62136 | 48900 | 42492 |
| 45° | 54180 | 43016 | 37883 |
| 50° | 47152 | 37687 | 33370 |
| 55° | 42047 | 33117 | 29026 |
| 60° | 38206 | 29029 | 24762 |
| 65° | 34345 | 25253 | 22480 |
| 70° | 30582 | 21530 | 20277 |
| 75° | 26795 | 18133 | 17311 |
| 80° | 22730 | 14739 | 15361 |
| 85° | 17124 | 11003 | 12242 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 238.9 | 5.1 |
| 10°-20° | 658.3 | 14.0 |
| 20°-30° | 913.7 | 19.4 |
| 30°-40° | 944.7 | 20.1 |
| 40°-50° | 791.0 | 16.8 |
| 50°-60° | 574.2 | 12.2 |
| 60°-70° | 362.4 | 7.7 |
| 70°-80° | 179.5 | 3.8 |
| 80°-90° | 44.6 | 0.9 |
| 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° | 1810.9 | 38.5 |
| 0°-40° | 2755.6 | 58.5 |
| 0°-60° | 4120.9 | 87.5 |
| 0°-90° | 4707.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4707.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2551 | 2551 | 2551 | 2551 | 2551 | |
| 5° | 2630 | 2599 | 2526 | 2457 | 2426 | 252 |
| 15° | 2644 | 2544 | 2326 | 2139 | 2073 | 744 |
| 25° | 2412 | 2256 | 1942 | 1730 | 1658 | 1105 |
| 35° | 1879 | 1741 | 1461 | 1294 | 1249 | 1170 |
| 45° | 1242 | 1152 | 986 | 890 | 869 | 961 |
| 55° | 782 | 713 | 616 | 564 | 540 | 706 |
| 65° | 471 | 412 | 346 | 305 | 308 | 469 |
| 75° | 225 | 187 | 152 | 145 | 145 | 241 |
| 85° | 48 | 38 | 31 | 35 | 35 | 59 |
| 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° | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 |
| 2.5° | 2592.3 | 2592.3 | 2595.7 | 2592.3 | 2592.3 | 2592.3 | 2588.8 | 2588.8 | 2585.3 | 2585.3 | 2578.4 |
| 5° | 2630.3 | 2623.4 | 2630.3 | 2623.4 | 2623.4 | 2623.4 | 2619.9 | 2613.0 | 2609.6 | 2602.6 | 2599.2 |
| 7.5° | 2647.6 | 2644.2 | 2644.2 | 2640.7 | 2640.7 | 2637.2 | 2633.8 | 2630.3 | 2616.5 | 2613.0 | 2602.6 |
| 10° | 2658.0 | 2654.6 | 2654.6 | 2651.1 | 2644.2 | 2644.2 | 2637.2 | 2633.8 | 2616.5 | 2609.6 | 2595.7 |
| 12.5° | 2654.6 | 2654.6 | 2654.6 | 2651.1 | 2640.7 | 2637.2 | 2630.3 | 2619.9 | 2606.1 | 2592.3 | 2578.4 |
| 15° | 2644.2 | 2644.2 | 2637.2 | 2633.8 | 2623.4 | 2616.5 | 2613.0 | 2595.7 | 2581.9 | 2564.6 | 2543.8 |
| 17.5° | 2609.6 | 2609.6 | 2606.1 | 2599.2 | 2588.8 | 2581.9 | 2575.0 | 2557.7 | 2543.8 | 2516.1 | 2495.3 |
| 20° | 2564.6 | 2561.1 | 2557.7 | 2547.3 | 2536.9 | 2533.4 | 2523.1 | 2498.7 | 2481.4 | 2460.7 | 2433.0 |
| 22.5° | 2498.7 | 2495.3 | 2491.8 | 2484.9 | 2467.6 | 2460.7 | 2453.7 | 2436.4 | 2405.3 | 2384.5 | 2349.9 |
| 25° | 2412.2 | 2412.2 | 2405.3 | 2394.9 | 2377.6 | 2370.7 | 2360.3 | 2343.0 | 2315.3 | 2284.2 | 2256.5 |
| 27.5° | 2311.9 | 2308.4 | 2298.0 | 2291.1 | 2277.3 | 2266.9 | 2249.6 | 2228.8 | 2201.1 | 2176.9 | 2142.3 |
| 30° | 2183.8 | 2183.8 | 2176.9 | 2166.5 | 2149.2 | 2142.3 | 2128.5 | 2104.3 | 2076.6 | 2045.4 | 2021.2 |
| 32.5° | 2038.5 | 2038.5 | 2028.1 | 2021.2 | 2010.8 | 1993.5 | 1990.1 | 1962.4 | 1938.1 | 1913.8 | 1886.2 |
| 35° | 1879.2 | 1882.7 | 1875.8 | 1861.9 | 1844.6 | 1844.6 | 1837.7 | 1813.5 | 1785.8 | 1761.6 | 1740.8 |
| 37.5° | 1720.1 | 1709.7 | 1706.2 | 1699.3 | 1688.9 | 1675.1 | 1668.2 | 1657.8 | 1633.6 | 1616.3 | 1585.1 |
| 40° | 1543.6 | 1547.1 | 1540.1 | 1533.2 | 1529.8 | 1519.4 | 1515.9 | 1498.6 | 1481.3 | 1460.6 | 1446.7 |
| 42.5° | 1384.3 | 1384.3 | 1384.3 | 1377.4 | 1370.5 | 1360.1 | 1356.6 | 1346.2 | 1325.5 | 1311.6 | 1290.9 |
| 45° | 1242.4 | 1232.1 | 1232.1 | 1228.6 | 1225.1 | 1218.2 | 1207.8 | 1200.9 | 1187.1 | 1176.7 | 1152.5 |
| 47.5° | 1104.0 | 1107.5 | 1104.0 | 1100.6 | 1090.2 | 1086.7 | 1083.3 | 1069.4 | 1055.6 | 1045.2 | 1027.9 |
| 50° | 982.9 | 989.8 | 982.9 | 982.9 | 976.0 | 972.5 | 965.6 | 955.2 | 944.9 | 927.6 | 910.3 |
| 52.5° | 882.6 | 882.6 | 879.1 | 875.7 | 865.3 | 858.4 | 854.9 | 851.4 | 834.0 | 820.2 | 806.3 |
| 55° | 782.1 | 785.6 | 785.6 | 775.2 | 771.7 | 764.8 | 761.4 | 751.0 | 744.1 | 723.3 | 712.9 |
| 57.5° | 695.6 | 692.2 | 695.6 | 688.7 | 681.8 | 674.9 | 671.4 | 664.5 | 654.1 | 640.3 | 626.4 |
| 60° | 619.5 | 612.6 | 612.6 | 609.1 | 602.2 | 598.7 | 591.8 | 581.4 | 571.0 | 557.2 | 546.8 |
| 62.5° | 543.4 | 539.9 | 536.4 | 533.0 | 526.1 | 522.6 | 519.1 | 508.8 | 498.4 | 488.0 | 477.6 |
| 65° | 470.7 | 470.7 | 467.2 | 460.3 | 456.9 | 453.4 | 449.9 | 443.0 | 429.2 | 422.3 | 411.9 |
| 67.5° | 405.0 | 401.5 | 401.5 | 394.6 | 387.7 | 384.2 | 384.2 | 377.3 | 366.9 | 356.5 | 349.6 |
| 70° | 339.2 | 342.7 | 339.2 | 335.8 | 328.8 | 328.8 | 321.9 | 318.5 | 304.6 | 301.2 | 290.8 |
| 72.5° | 280.4 | 280.4 | 276.8 | 276.8 | 269.9 | 266.4 | 266.4 | 259.5 | 252.6 | 245.7 | 238.8 |
| 75° | 224.9 | 224.9 | 224.9 | 221.5 | 218.0 | 211.1 | 211.1 | 207.6 | 200.7 | 193.8 | 186.9 |
| 77.5° | 176.5 | 173.0 | 173.0 | 169.5 | 166.1 | 162.6 | 162.6 | 159.2 | 152.2 | 148.8 | 141.9 |
| 80° | 128.0 | 124.6 | 124.6 | 124.6 | 117.6 | 121.1 | 117.6 | 114.2 | 110.7 | 107.3 | 103.8 |
| 82.5° | 83.0 | 86.5 | 86.5 | 83.0 | 79.6 | 79.6 | 79.6 | 76.1 | 76.1 | 72.7 | 69.2 |
| 85° | 48.4 | 48.4 | 48.4 | 48.4 | 45.0 | 45.0 | 45.0 | 41.5 | 41.5 | 41.5 | 38.1 |
| 87.5° | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 20.8 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 |
| 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° | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 |
| 2.5° | 2578.4 | 2571.5 | 2568.0 | 2564.6 | 2564.6 | 2561.1 | 2557.7 | 2550.7 | 2550.7 | 2543.8 | 2540.4 |
| 5° | 2592.3 | 2581.9 | 2575.0 | 2568.0 | 2564.6 | 2557.7 | 2550.7 | 2540.4 | 2536.9 | 2526.5 | 2516.1 |
| 7.5° | 2595.7 | 2578.4 | 2571.5 | 2557.7 | 2550.7 | 2543.8 | 2530.0 | 2519.6 | 2505.6 | 2495.3 | 2481.4 |
| 10° | 2581.9 | 2568.0 | 2550.7 | 2533.4 | 2530.0 | 2519.6 | 2498.7 | 2484.9 | 2467.6 | 2453.7 | 2433.0 |
| 12.5° | 2561.1 | 2540.4 | 2523.1 | 2502.2 | 2491.8 | 2481.4 | 2460.7 | 2439.9 | 2415.7 | 2391.5 | 2370.7 |
| 15° | 2526.5 | 2502.2 | 2478.0 | 2453.7 | 2439.9 | 2429.5 | 2405.3 | 2381.1 | 2356.9 | 2325.7 | 2305.0 |
| 17.5° | 2474.5 | 2446.8 | 2422.6 | 2391.5 | 2377.6 | 2367.2 | 2336.1 | 2308.4 | 2277.3 | 2246.1 | 2225.4 |
| 20° | 2408.8 | 2374.2 | 2346.5 | 2311.9 | 2301.5 | 2284.2 | 2253.1 | 2221.9 | 2187.3 | 2152.7 | 2128.5 |
| 22.5° | 2322.3 | 2287.7 | 2256.5 | 2221.9 | 2204.6 | 2187.3 | 2156.2 | 2118.1 | 2083.5 | 2055.8 | 2031.6 |
| 25° | 2221.9 | 2190.8 | 2152.7 | 2121.6 | 2100.8 | 2080.0 | 2045.4 | 2014.3 | 1983.2 | 1941.5 | 1917.3 |
| 27.5° | 2111.2 | 2073.1 | 2045.4 | 2003.9 | 1983.2 | 1969.3 | 1931.1 | 1889.6 | 1861.9 | 1823.9 | 1796.2 |
| 30° | 1986.6 | 1952.0 | 1920.8 | 1879.2 | 1858.5 | 1844.6 | 1810.0 | 1772.0 | 1744.3 | 1706.2 | 1678.5 |
| 32.5° | 1855.0 | 1817.0 | 1778.9 | 1751.2 | 1727.0 | 1713.1 | 1675.1 | 1650.9 | 1616.3 | 1585.1 | 1554.0 |
| 35° | 1713.1 | 1675.1 | 1647.4 | 1609.3 | 1595.5 | 1581.7 | 1550.5 | 1519.4 | 1488.2 | 1460.6 | 1436.3 |
| 37.5° | 1560.9 | 1533.2 | 1502.1 | 1474.4 | 1464.0 | 1450.2 | 1412.1 | 1384.3 | 1360.1 | 1332.4 | 1311.6 |
| 40° | 1412.1 | 1387.8 | 1367.0 | 1339.3 | 1322.0 | 1311.6 | 1284.0 | 1259.7 | 1232.1 | 1214.8 | 1194.0 |
| 42.5° | 1277.0 | 1249.4 | 1228.6 | 1207.8 | 1190.5 | 1180.2 | 1155.9 | 1138.6 | 1117.9 | 1100.6 | 1076.4 |
| 45° | 1135.2 | 1121.3 | 1097.1 | 1079.8 | 1069.4 | 1055.6 | 1038.3 | 1017.5 | 1000.2 | 986.4 | 969.1 |
| 47.5° | 1010.6 | 996.8 | 979.5 | 958.7 | 951.8 | 941.4 | 924.1 | 910.3 | 896.4 | 882.6 | 865.3 |
| 50° | 896.4 | 879.1 | 865.3 | 851.4 | 844.5 | 834.0 | 816.7 | 809.8 | 799.4 | 785.6 | 775.2 |
| 52.5° | 792.5 | 778.7 | 764.8 | 747.5 | 744.1 | 737.1 | 726.8 | 712.9 | 702.5 | 695.6 | 688.7 |
| 55° | 699.1 | 685.2 | 674.9 | 661.0 | 657.6 | 650.6 | 636.8 | 629.9 | 623.0 | 616.0 | 609.1 |
| 57.5° | 616.0 | 602.2 | 588.3 | 581.4 | 574.5 | 567.6 | 564.1 | 553.7 | 546.8 | 543.4 | 536.4 |
| 60° | 539.9 | 526.1 | 515.7 | 505.3 | 501.8 | 498.4 | 491.5 | 484.5 | 477.6 | 470.7 | 467.2 |
| 62.5° | 467.2 | 453.4 | 446.5 | 439.6 | 432.6 | 432.6 | 425.7 | 418.8 | 411.9 | 408.4 | 401.5 |
| 65° | 401.5 | 394.6 | 384.2 | 373.8 | 370.4 | 370.4 | 360.0 | 356.5 | 353.1 | 346.1 | 339.2 |
| 67.5° | 339.2 | 332.3 | 321.9 | 318.5 | 315.0 | 311.5 | 308.1 | 301.2 | 294.2 | 290.8 | 283.9 |
| 70° | 283.9 | 276.8 | 269.9 | 266.4 | 263.0 | 259.5 | 252.6 | 249.1 | 242.2 | 238.8 | 235.3 |
| 72.5° | 228.4 | 224.9 | 218.0 | 214.5 | 211.1 | 207.6 | 204.2 | 200.7 | 193.8 | 190.3 | 186.9 |
| 75° | 183.4 | 179.9 | 173.0 | 169.5 | 166.1 | 166.1 | 162.6 | 155.7 | 152.2 | 152.2 | 148.8 |
| 77.5° | 138.4 | 134.9 | 131.5 | 128.0 | 124.6 | 124.6 | 121.1 | 117.6 | 114.2 | 114.2 | 110.7 |
| 80° | 100.3 | 96.9 | 93.4 | 93.4 | 93.4 | 90.0 | 86.5 | 86.5 | 83.0 | 83.0 | 79.6 |
| 82.5° | 65.7 | 65.7 | 62.3 | 62.3 | 62.3 | 58.8 | 58.8 | 55.4 | 55.4 | 55.4 | 55.4 |
| 85° | 38.1 | 38.1 | 38.1 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 31.1 | 34.6 |
| 87.5° | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 17.3 | 13.8 | 13.8 | 13.8 |
| 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° | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 |
| 2.5° | 2536.9 | 2533.4 | 2526.5 | 2526.5 | 2519.6 | 2519.6 | 2516.1 | 2512.7 | 2509.2 | 2505.6 | 2502.2 |
| 5° | 2512.7 | 2498.7 | 2491.8 | 2488.3 | 2481.4 | 2478.0 | 2467.6 | 2460.7 | 2457.2 | 2450.3 | 2443.4 |
| 7.5° | 2467.6 | 2453.7 | 2439.9 | 2436.4 | 2433.0 | 2419.1 | 2408.8 | 2398.4 | 2391.5 | 2384.5 | 2377.6 |
| 10° | 2415.7 | 2401.8 | 2384.5 | 2377.6 | 2370.7 | 2353.4 | 2339.6 | 2329.2 | 2315.3 | 2301.5 | 2298.0 |
| 12.5° | 2353.4 | 2332.6 | 2311.9 | 2305.0 | 2294.6 | 2277.3 | 2263.4 | 2246.1 | 2235.8 | 2218.4 | 2215.0 |
| 15° | 2280.7 | 2256.5 | 2239.2 | 2221.9 | 2215.0 | 2197.7 | 2173.5 | 2159.6 | 2138.9 | 2131.9 | 2114.6 |
| 17.5° | 2194.2 | 2170.0 | 2145.8 | 2138.9 | 2128.5 | 2104.3 | 2080.0 | 2062.7 | 2042.0 | 2031.6 | 2021.2 |
| 20° | 2104.3 | 2073.1 | 2048.9 | 2042.0 | 2028.1 | 2007.4 | 1983.2 | 1965.9 | 1948.4 | 1927.7 | 1917.3 |
| 22.5° | 2000.5 | 1965.9 | 1945.0 | 1927.7 | 1924.2 | 1900.0 | 1872.3 | 1858.5 | 1844.6 | 1827.3 | 1813.5 |
| 25° | 1886.2 | 1855.0 | 1830.8 | 1817.0 | 1810.0 | 1789.3 | 1768.5 | 1751.2 | 1730.4 | 1720.1 | 1702.8 |
| 27.5° | 1768.5 | 1747.7 | 1716.6 | 1702.8 | 1692.4 | 1675.1 | 1650.9 | 1640.5 | 1619.7 | 1605.9 | 1595.5 |
| 30° | 1654.3 | 1623.2 | 1605.9 | 1588.6 | 1578.2 | 1560.9 | 1540.1 | 1529.8 | 1512.5 | 1498.6 | 1488.2 |
| 32.5° | 1529.8 | 1509.0 | 1484.8 | 1477.9 | 1464.0 | 1446.7 | 1432.9 | 1415.6 | 1401.7 | 1387.8 | 1384.3 |
| 35° | 1415.6 | 1387.8 | 1363.5 | 1356.6 | 1346.2 | 1328.9 | 1322.0 | 1311.6 | 1294.3 | 1290.9 | 1277.0 |
| 37.5° | 1290.9 | 1277.0 | 1249.4 | 1239.0 | 1235.5 | 1221.7 | 1207.8 | 1200.9 | 1190.5 | 1180.2 | 1176.7 |
| 40° | 1173.2 | 1155.9 | 1142.1 | 1131.7 | 1124.8 | 1114.4 | 1100.6 | 1097.1 | 1090.2 | 1076.4 | 1072.9 |
| 42.5° | 1062.5 | 1045.2 | 1031.4 | 1027.9 | 1017.5 | 1007.1 | 1000.2 | 989.8 | 986.4 | 982.9 | 976.0 |
| 45° | 955.2 | 944.9 | 931.0 | 927.6 | 924.1 | 910.3 | 903.3 | 896.4 | 889.5 | 886.0 | 879.1 |
| 47.5° | 858.4 | 848.0 | 837.6 | 834.0 | 827.1 | 823.6 | 813.3 | 809.8 | 799.4 | 796.0 | 792.5 |
| 50° | 764.8 | 757.9 | 751.0 | 747.5 | 740.6 | 737.1 | 730.2 | 723.3 | 716.4 | 712.9 | 709.5 |
| 52.5° | 681.8 | 674.9 | 667.9 | 664.5 | 661.0 | 654.1 | 647.2 | 640.3 | 636.8 | 633.3 | 629.9 |
| 55° | 602.2 | 595.3 | 591.8 | 588.3 | 584.9 | 581.4 | 571.0 | 567.6 | 564.1 | 560.7 | 553.7 |
| 57.5° | 529.5 | 522.6 | 515.7 | 515.7 | 512.2 | 508.8 | 501.8 | 494.9 | 494.9 | 488.0 | 481.1 |
| 60° | 463.8 | 456.9 | 449.9 | 446.5 | 443.0 | 436.1 | 432.6 | 429.2 | 425.7 | 422.3 | 415.3 |
| 62.5° | 394.6 | 391.1 | 384.2 | 384.2 | 377.3 | 373.8 | 370.4 | 366.9 | 363.4 | 356.5 | 353.1 |
| 65° | 335.8 | 332.3 | 325.4 | 321.9 | 321.9 | 318.5 | 311.5 | 308.1 | 304.6 | 304.6 | 301.2 |
| 67.5° | 280.4 | 276.8 | 269.9 | 266.4 | 266.4 | 263.0 | 259.5 | 259.5 | 256.1 | 252.6 | 256.1 |
| 70° | 231.8 | 224.9 | 224.9 | 221.5 | 221.5 | 218.0 | 214.5 | 214.5 | 214.5 | 218.0 | 218.0 |
| 72.5° | 183.4 | 179.9 | 176.5 | 176.5 | 176.5 | 176.5 | 173.0 | 173.0 | 176.5 | 179.9 | 179.9 |
| 75° | 145.3 | 141.9 | 141.9 | 141.9 | 138.4 | 138.4 | 141.9 | 141.9 | 145.3 | 145.3 | 145.3 |
| 77.5° | 107.3 | 107.3 | 107.3 | 107.3 | 107.3 | 107.3 | 110.7 | 110.7 | 114.2 | 114.2 | 114.2 |
| 80° | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 86.5 |
| 82.5° | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 58.8 | 58.8 | 58.8 | 58.8 |
| 85° | 31.1 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 |
| 87.5° | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 |
| 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: P585083

CATALOG NUMBER: HCC8W60D010SL-HM86080830-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 | 2550.7 |
| 2.5° | 2498.7 | 2498.7 | 2498.7 | 2502.2 | 2495.3 | 2495.3 | 2495.3 | 2495.3 |
| 5° | 2439.9 | 2436.4 | 2433.0 | 2436.4 | 2429.5 | 2429.5 | 2426.1 | 2426.1 |
| 7.5° | 2367.2 | 2363.8 | 2360.3 | 2360.3 | 2353.4 | 2353.4 | 2349.9 | 2346.5 |
| 10° | 2287.7 | 2280.7 | 2284.2 | 2277.3 | 2273.8 | 2270.4 | 2266.9 | 2263.4 |
| 12.5° | 2201.1 | 2194.2 | 2190.8 | 2183.8 | 2176.9 | 2173.5 | 2176.9 | 2170.0 |
| 15° | 2107.7 | 2097.3 | 2093.9 | 2087.0 | 2080.0 | 2076.6 | 2076.6 | 2073.1 |
| 17.5° | 2003.9 | 1997.0 | 1993.5 | 1986.6 | 1983.2 | 1976.2 | 1972.8 | 1969.3 |
| 20° | 1906.9 | 1889.6 | 1893.1 | 1886.2 | 1882.7 | 1868.9 | 1868.9 | 1872.3 |
| 22.5° | 1799.7 | 1789.3 | 1782.3 | 1775.4 | 1772.0 | 1765.0 | 1765.0 | 1761.6 |
| 25° | 1692.4 | 1682.0 | 1678.5 | 1671.6 | 1668.2 | 1661.2 | 1657.8 | 1657.8 |
| 27.5° | 1588.6 | 1574.7 | 1574.7 | 1567.8 | 1560.9 | 1557.4 | 1554.0 | 1550.5 |
| 30° | 1477.9 | 1467.5 | 1464.0 | 1464.0 | 1460.6 | 1460.6 | 1450.2 | 1453.6 |
| 32.5° | 1373.9 | 1367.0 | 1363.5 | 1356.6 | 1356.6 | 1353.2 | 1353.2 | 1342.8 |
| 35° | 1270.1 | 1259.7 | 1263.2 | 1256.3 | 1252.8 | 1249.4 | 1252.8 | 1249.4 |
| 37.5° | 1169.8 | 1162.9 | 1162.9 | 1155.9 | 1155.9 | 1152.5 | 1149.0 | 1155.9 |
| 40° | 1069.4 | 1066.0 | 1062.5 | 1059.1 | 1062.5 | 1059.1 | 1052.1 | 1055.6 |
| 42.5° | 969.1 | 969.1 | 965.6 | 965.6 | 962.2 | 962.2 | 962.2 | 962.2 |
| 45° | 879.1 | 875.7 | 875.7 | 872.2 | 872.2 | 872.2 | 872.2 | 868.7 |
| 47.5° | 789.0 | 785.6 | 785.6 | 785.6 | 782.1 | 782.1 | 778.7 | 782.1 |
| 50° | 702.5 | 702.5 | 699.1 | 699.1 | 702.5 | 699.1 | 695.6 | 695.6 |
| 52.5° | 623.0 | 623.0 | 619.5 | 619.5 | 616.0 | 612.6 | 616.0 | 616.0 |
| 55° | 550.3 | 546.8 | 543.4 | 543.4 | 539.9 | 536.4 | 536.4 | 539.9 |
| 57.5° | 481.1 | 477.6 | 474.2 | 474.2 | 467.2 | 463.8 | 463.8 | 463.8 |
| 60° | 415.3 | 408.4 | 408.4 | 405.0 | 405.0 | 401.5 | 401.5 | 401.5 |
| 62.5° | 353.1 | 349.6 | 349.6 | 349.6 | 349.6 | 346.1 | 346.1 | 346.1 |
| 65° | 301.2 | 301.2 | 301.2 | 304.6 | 304.6 | 308.1 | 308.1 | 308.1 |
| 67.5° | 259.5 | 263.0 | 263.0 | 263.0 | 266.4 | 266.4 | 266.4 | 263.0 |
| 70° | 221.5 | 221.5 | 221.5 | 224.9 | 224.9 | 224.9 | 224.9 | 224.9 |
| 72.5° | 183.4 | 183.4 | 183.4 | 183.4 | 183.4 | 183.4 | 183.4 | 183.4 |
| 75° | 145.3 | 148.8 | 148.8 | 148.8 | 145.3 | 148.8 | 148.8 | 145.3 |
| 77.5° | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 | 114.2 |
| 80° | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| 82.5° | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| 85° | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 | 34.6 |
| 87.5° | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 | 13.8 |
| 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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)