

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: P593854

Luminaire Tested: **HCC8S55D010SL-HM82555950-81WWW**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593854
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: HCC8S55D010SL-HM82555950-81WWW
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

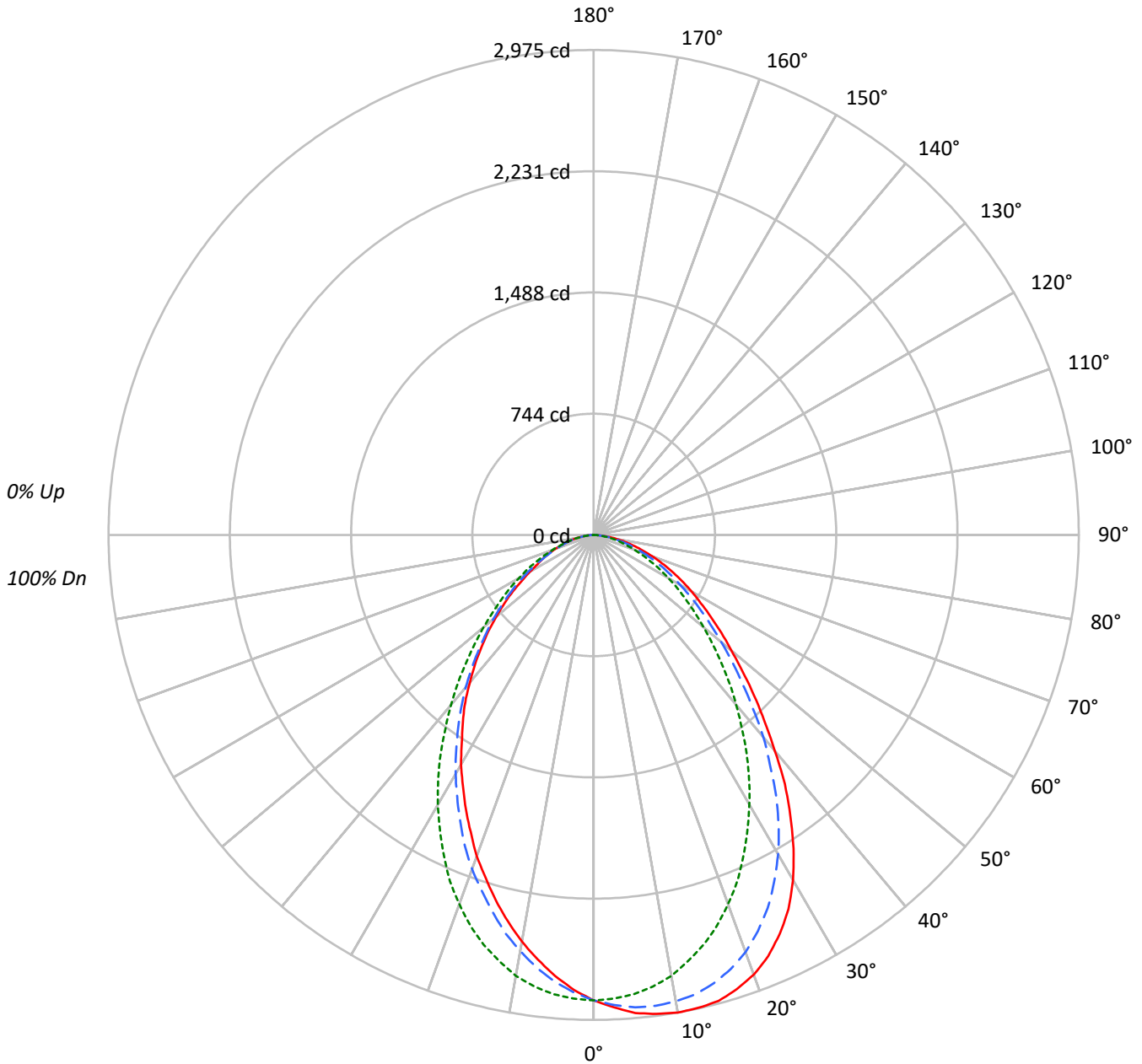
Lumens per Lamp: N/A
Luminaire Lumens: 5269.1 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.09 / 1.04 / 1.13
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P593854
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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 | 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° | 88038 | 88038 | 88038 |
| 5° | 91135 | 87535 | 84056 |
| 10° | 93156 | 86002 | 79329 |
| 15° | 94486 | 83105 | 74077 |
| 20° | 94200 | 79069 | 68774 |
| 25° | 91868 | 73941 | 63135 |
| 30° | 87037 | 68002 | 57932 |
| 35° | 79185 | 61541 | 52642 |
| 40° | 69551 | 54737 | 47560 |
| 45° | 60647 | 48144 | 42401 |
| 50° | 52780 | 42187 | 37356 |
| 55° | 47068 | 37074 | 32488 |
| 60° | 42770 | 32489 | 27710 |
| 65° | 38438 | 28259 | 25158 |
| 70° | 34224 | 24100 | 22693 |
| 75° | 29988 | 20302 | 19384 |
| 80° | 25447 | 16497 | 17190 |
| 85° | 19212 | 12312 | 13728 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 267.4 | 5.1 |
| 10°-20° | 736.8 | 14.0 |
| 20°-30° | 1022.8 | 19.4 |
| 30°-40° | 1057.4 | 20.1 |
| 40°-50° | 885.4 | 16.8 |
| 50°-60° | 642.8 | 12.2 |
| 60°-70° | 405.6 | 7.7 |
| 70°-80° | 200.9 | 3.8 |
| 80°-90° | 50.0 | 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° | 2027.0 | 38.5 |
| 0°-40° | 3084.4 | 58.5 |
| 0°-60° | 4612.6 | 87.5 |
| 0°-90° | 5269.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5269.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2855 | 2855 | 2855 | 2855 | 2855 | |
| 5° | 2944 | 2909 | 2828 | 2750 | 2716 | 282 |
| 15° | 2960 | 2847 | 2603 | 2394 | 2320 | 833 |
| 25° | 2700 | 2526 | 2173 | 1937 | 1856 | 1237 |
| 35° | 2104 | 1949 | 1635 | 1449 | 1398 | 1310 |
| 45° | 1391 | 1290 | 1104 | 996 | 972 | 1076 |
| 55° | 876 | 798 | 690 | 632 | 604 | 790 |
| 65° | 527 | 461 | 387 | 341 | 345 | 525 |
| 75° | 252 | 209 | 170 | 163 | 163 | 270 |
| 85° | 54 | 43 | 35 | 39 | 39 | 66 |
| 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° | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 |
| 2.5° | 2901.5 | 2901.5 | 2905.4 | 2901.5 | 2901.5 | 2901.5 | 2897.7 | 2897.7 | 2893.8 | 2893.8 | 2886.0 |
| 5° | 2944.2 | 2936.4 | 2944.2 | 2936.4 | 2936.4 | 2936.4 | 2932.5 | 2924.7 | 2920.9 | 2913.1 | 2909.3 |
| 7.5° | 2963.5 | 2959.7 | 2959.7 | 2955.8 | 2955.8 | 2951.9 | 2948.0 | 2944.2 | 2928.6 | 2924.7 | 2913.1 |
| 10° | 2975.1 | 2971.3 | 2971.3 | 2967.4 | 2959.7 | 2959.7 | 2951.9 | 2948.0 | 2928.6 | 2920.9 | 2905.4 |
| 12.5° | 2971.3 | 2971.3 | 2971.3 | 2967.4 | 2955.8 | 2951.9 | 2944.2 | 2932.5 | 2917.0 | 2901.5 | 2886.0 |
| 15° | 2959.7 | 2959.7 | 2951.9 | 2948.0 | 2936.4 | 2928.6 | 2924.7 | 2905.4 | 2889.9 | 2870.6 | 2847.3 |
| 17.5° | 2920.9 | 2920.9 | 2917.0 | 2909.3 | 2897.7 | 2889.9 | 2882.2 | 2862.7 | 2847.3 | 2816.3 | 2793.1 |
| 20° | 2870.6 | 2866.7 | 2862.7 | 2851.1 | 2839.5 | 2835.7 | 2824.1 | 2797.0 | 2777.5 | 2754.3 | 2723.4 |
| 22.5° | 2797.0 | 2793.1 | 2789.1 | 2781.4 | 2762.1 | 2754.3 | 2746.6 | 2727.2 | 2692.3 | 2669.1 | 2630.3 |
| 25° | 2700.1 | 2700.1 | 2692.3 | 2680.7 | 2661.4 | 2653.6 | 2641.9 | 2622.6 | 2591.6 | 2556.7 | 2525.8 |
| 27.5° | 2587.8 | 2583.9 | 2572.2 | 2564.5 | 2549.0 | 2537.4 | 2518.0 | 2494.7 | 2463.8 | 2436.7 | 2397.9 |
| 30° | 2444.4 | 2444.4 | 2436.7 | 2425.0 | 2405.6 | 2397.9 | 2382.4 | 2355.3 | 2324.3 | 2289.5 | 2262.3 |
| 32.5° | 2281.6 | 2281.6 | 2270.0 | 2262.3 | 2250.7 | 2231.4 | 2227.5 | 2196.4 | 2169.4 | 2142.3 | 2111.2 |
| 35° | 2103.5 | 2107.4 | 2099.6 | 2084.2 | 2064.7 | 2064.7 | 2057.0 | 2029.9 | 1999.0 | 1971.8 | 1948.6 |
| 37.5° | 1925.4 | 1913.6 | 1909.8 | 1902.0 | 1890.4 | 1875.0 | 1867.2 | 1855.6 | 1828.4 | 1809.1 | 1774.2 |
| 40° | 1727.8 | 1731.6 | 1723.9 | 1716.2 | 1712.3 | 1700.6 | 1696.7 | 1677.4 | 1658.0 | 1634.8 | 1619.2 |
| 42.5° | 1549.5 | 1549.5 | 1549.5 | 1541.8 | 1534.0 | 1522.4 | 1518.6 | 1507.0 | 1483.6 | 1468.2 | 1445.0 |
| 45° | 1390.7 | 1379.1 | 1379.1 | 1375.2 | 1371.4 | 1363.6 | 1352.0 | 1344.3 | 1328.7 | 1317.1 | 1290.0 |
| 47.5° | 1235.8 | 1239.6 | 1235.8 | 1231.9 | 1220.3 | 1216.4 | 1212.6 | 1197.1 | 1181.5 | 1169.9 | 1150.6 |
| 50° | 1100.2 | 1107.9 | 1100.2 | 1100.2 | 1092.4 | 1088.6 | 1080.8 | 1069.2 | 1057.6 | 1038.2 | 1018.8 |
| 52.5° | 987.9 | 987.9 | 984.0 | 980.1 | 968.4 | 960.7 | 956.8 | 953.0 | 933.6 | 918.1 | 902.6 |
| 55° | 875.5 | 879.4 | 879.4 | 867.7 | 863.9 | 856.1 | 852.3 | 840.7 | 832.8 | 809.6 | 798.0 |
| 57.5° | 778.7 | 774.8 | 778.7 | 770.9 | 763.2 | 755.4 | 751.5 | 743.8 | 732.1 | 716.7 | 701.2 |
| 60° | 693.5 | 685.6 | 685.6 | 681.8 | 674.0 | 670.1 | 662.4 | 650.8 | 639.2 | 623.7 | 612.0 |
| 62.5° | 608.2 | 604.3 | 600.4 | 596.5 | 588.8 | 584.9 | 581.1 | 569.5 | 557.9 | 546.3 | 534.5 |
| 65° | 526.8 | 526.8 | 522.9 | 515.2 | 511.3 | 507.5 | 503.6 | 495.9 | 480.4 | 472.7 | 460.9 |
| 67.5° | 453.2 | 449.3 | 449.3 | 441.6 | 433.9 | 430.0 | 430.0 | 422.3 | 410.7 | 399.1 | 391.2 |
| 70° | 379.6 | 383.5 | 379.6 | 375.7 | 368.0 | 368.0 | 360.3 | 356.4 | 340.9 | 337.1 | 325.3 |
| 72.5° | 313.7 | 313.7 | 309.9 | 309.9 | 302.1 | 298.3 | 298.3 | 290.5 | 282.8 | 275.1 | 267.3 |
| 75° | 251.7 | 251.7 | 251.7 | 247.9 | 244.0 | 236.3 | 236.3 | 232.4 | 224.7 | 216.9 | 209.2 |
| 77.5° | 197.6 | 193.7 | 193.7 | 189.9 | 186.0 | 182.1 | 182.1 | 178.1 | 170.4 | 166.5 | 158.8 |
| 80° | 143.3 | 139.5 | 139.5 | 139.5 | 131.7 | 135.6 | 131.7 | 127.9 | 124.0 | 120.1 | 116.3 |
| 82.5° | 92.9 | 96.8 | 96.8 | 92.9 | 89.1 | 89.1 | 89.1 | 85.2 | 85.2 | 81.3 | 77.5 |
| 85° | 54.3 | 54.3 | 54.3 | 54.3 | 50.4 | 50.4 | 50.4 | 46.5 | 46.5 | 46.5 | 42.7 |
| 87.5° | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 |
| 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° | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 |
| 2.5° | 2886.0 | 2878.3 | 2874.4 | 2870.6 | 2870.6 | 2866.7 | 2862.7 | 2855.0 | 2855.0 | 2847.3 | 2843.4 |
| 5° | 2901.5 | 2889.9 | 2882.2 | 2874.4 | 2870.6 | 2862.7 | 2855.0 | 2843.4 | 2839.5 | 2827.9 | 2816.3 |
| 7.5° | 2905.4 | 2886.0 | 2878.3 | 2862.7 | 2855.0 | 2847.3 | 2831.8 | 2820.2 | 2804.7 | 2793.1 | 2777.5 |
| 10° | 2889.9 | 2874.4 | 2855.0 | 2835.7 | 2831.8 | 2820.2 | 2797.0 | 2781.4 | 2762.1 | 2746.6 | 2723.4 |
| 12.5° | 2866.7 | 2843.4 | 2824.1 | 2800.8 | 2789.1 | 2777.5 | 2754.3 | 2731.1 | 2703.9 | 2676.8 | 2653.6 |
| 15° | 2827.9 | 2800.8 | 2773.7 | 2746.6 | 2731.1 | 2719.5 | 2692.3 | 2665.2 | 2638.1 | 2603.2 | 2580.0 |
| 17.5° | 2769.8 | 2738.8 | 2711.7 | 2676.8 | 2661.4 | 2649.8 | 2614.8 | 2583.9 | 2549.0 | 2514.2 | 2490.9 |
| 20° | 2696.2 | 2657.5 | 2626.5 | 2587.8 | 2576.2 | 2556.7 | 2521.9 | 2487.0 | 2448.3 | 2409.5 | 2382.4 |
| 22.5° | 2599.4 | 2560.6 | 2525.8 | 2487.0 | 2467.6 | 2448.3 | 2413.4 | 2370.8 | 2332.0 | 2301.1 | 2273.9 |
| 25° | 2487.0 | 2452.2 | 2409.5 | 2374.7 | 2351.4 | 2328.2 | 2289.5 | 2254.6 | 2219.8 | 2173.2 | 2146.2 |
| 27.5° | 2363.1 | 2320.4 | 2289.5 | 2243.0 | 2219.8 | 2204.2 | 2161.6 | 2115.1 | 2084.2 | 2041.5 | 2010.6 |
| 30° | 2223.6 | 2184.8 | 2150.0 | 2103.5 | 2080.3 | 2064.7 | 2026.0 | 1983.4 | 1952.4 | 1909.8 | 1878.8 |
| 32.5° | 2076.4 | 2033.8 | 1991.1 | 1960.2 | 1933.1 | 1917.5 | 1875.0 | 1847.8 | 1809.1 | 1774.2 | 1739.4 |
| 35° | 1917.5 | 1875.0 | 1843.9 | 1801.4 | 1785.9 | 1770.3 | 1735.5 | 1700.6 | 1665.8 | 1634.8 | 1607.6 |
| 37.5° | 1747.1 | 1716.2 | 1681.2 | 1650.3 | 1638.7 | 1623.1 | 1580.6 | 1549.5 | 1522.4 | 1491.5 | 1468.2 |
| 40° | 1580.6 | 1553.4 | 1530.2 | 1499.2 | 1479.8 | 1468.2 | 1437.2 | 1410.0 | 1379.1 | 1359.8 | 1336.4 |
| 42.5° | 1429.5 | 1398.4 | 1375.2 | 1352.0 | 1332.6 | 1321.0 | 1293.9 | 1274.6 | 1251.2 | 1231.9 | 1204.8 |
| 45° | 1270.7 | 1255.1 | 1228.0 | 1208.7 | 1197.1 | 1181.5 | 1162.2 | 1138.9 | 1119.5 | 1104.0 | 1084.7 |
| 47.5° | 1131.2 | 1115.6 | 1096.3 | 1073.1 | 1065.3 | 1053.7 | 1034.3 | 1018.8 | 1003.3 | 987.9 | 968.4 |
| 50° | 1003.3 | 984.0 | 968.4 | 953.0 | 945.2 | 933.6 | 914.3 | 906.5 | 894.8 | 879.4 | 867.7 |
| 52.5° | 887.1 | 871.6 | 856.1 | 836.8 | 832.8 | 825.1 | 813.5 | 798.0 | 786.4 | 778.7 | 770.9 |
| 55° | 782.5 | 767.1 | 755.4 | 739.9 | 736.0 | 728.3 | 712.8 | 705.1 | 697.3 | 689.6 | 681.8 |
| 57.5° | 689.6 | 674.0 | 658.5 | 650.8 | 643.1 | 635.3 | 631.5 | 619.9 | 612.0 | 608.2 | 600.4 |
| 60° | 604.3 | 588.8 | 577.2 | 565.6 | 561.7 | 557.9 | 550.1 | 542.3 | 534.5 | 526.8 | 522.9 |
| 62.5° | 522.9 | 507.5 | 499.7 | 492.0 | 484.3 | 484.3 | 476.5 | 468.7 | 460.9 | 457.1 | 449.3 |
| 65° | 449.3 | 441.6 | 430.0 | 418.4 | 414.5 | 414.5 | 402.9 | 399.1 | 395.1 | 387.3 | 379.6 |
| 67.5° | 379.6 | 371.9 | 360.3 | 356.4 | 352.5 | 348.7 | 344.8 | 337.1 | 329.3 | 325.3 | 317.6 |
| 70° | 317.6 | 309.9 | 302.1 | 298.3 | 294.4 | 290.5 | 282.8 | 278.9 | 271.2 | 267.3 | 263.5 |
| 72.5° | 255.7 | 251.7 | 244.0 | 240.1 | 236.3 | 232.4 | 228.5 | 224.7 | 216.9 | 213.1 | 209.2 |
| 75° | 205.3 | 201.5 | 193.7 | 189.9 | 186.0 | 186.0 | 182.1 | 174.3 | 170.4 | 170.4 | 166.5 |
| 77.5° | 154.9 | 151.1 | 147.2 | 143.3 | 139.5 | 139.5 | 135.6 | 131.7 | 127.9 | 127.9 | 124.0 |
| 80° | 112.4 | 108.4 | 104.5 | 104.5 | 104.5 | 100.7 | 96.8 | 96.8 | 92.9 | 92.9 | 89.1 |
| 82.5° | 73.6 | 73.6 | 69.7 | 69.7 | 69.7 | 65.9 | 65.9 | 62.0 | 62.0 | 62.0 | 62.0 |
| 85° | 42.7 | 42.7 | 42.7 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 34.8 | 38.8 |
| 87.5° | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 19.3 | 15.5 | 15.5 | 15.5 |
| 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° | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 |
| 2.5° | 2839.5 | 2835.7 | 2827.9 | 2827.9 | 2820.2 | 2820.2 | 2816.3 | 2812.4 | 2808.6 | 2804.7 | 2800.8 |
| 5° | 2812.4 | 2797.0 | 2789.1 | 2785.3 | 2777.5 | 2773.7 | 2762.1 | 2754.3 | 2750.4 | 2742.7 | 2735.0 |
| 7.5° | 2762.1 | 2746.6 | 2731.1 | 2727.2 | 2723.4 | 2707.8 | 2696.2 | 2684.6 | 2676.8 | 2669.1 | 2661.4 |
| 10° | 2703.9 | 2688.5 | 2669.1 | 2661.4 | 2653.6 | 2634.2 | 2618.7 | 2607.1 | 2591.6 | 2576.2 | 2572.2 |
| 12.5° | 2634.2 | 2611.0 | 2587.8 | 2580.0 | 2568.3 | 2549.0 | 2533.5 | 2514.2 | 2502.6 | 2483.1 | 2479.2 |
| 15° | 2552.9 | 2525.8 | 2506.4 | 2487.0 | 2479.2 | 2459.9 | 2432.8 | 2417.2 | 2394.0 | 2386.3 | 2367.0 |
| 17.5° | 2456.0 | 2429.0 | 2401.8 | 2394.0 | 2382.4 | 2355.3 | 2328.2 | 2308.8 | 2285.6 | 2273.9 | 2262.3 |
| 20° | 2355.3 | 2320.4 | 2293.4 | 2285.6 | 2270.0 | 2246.8 | 2219.8 | 2200.3 | 2181.0 | 2157.8 | 2146.2 |
| 22.5° | 2239.1 | 2200.3 | 2177.1 | 2157.8 | 2153.9 | 2126.7 | 2095.8 | 2080.3 | 2064.7 | 2045.4 | 2029.9 |
| 25° | 2111.2 | 2076.4 | 2049.2 | 2033.8 | 2026.0 | 2002.8 | 1979.5 | 1960.2 | 1937.0 | 1925.4 | 1905.9 |
| 27.5° | 1979.5 | 1956.3 | 1921.5 | 1905.9 | 1894.3 | 1875.0 | 1847.8 | 1836.2 | 1813.0 | 1797.5 | 1785.9 |
| 30° | 1851.8 | 1816.8 | 1797.5 | 1778.2 | 1766.4 | 1747.1 | 1723.9 | 1712.3 | 1692.8 | 1677.4 | 1665.8 |
| 32.5° | 1712.3 | 1689.0 | 1661.9 | 1654.2 | 1638.7 | 1619.2 | 1603.8 | 1584.4 | 1569.0 | 1553.4 | 1549.5 |
| 35° | 1584.4 | 1553.4 | 1526.3 | 1518.6 | 1507.0 | 1487.6 | 1479.8 | 1468.2 | 1448.8 | 1445.0 | 1429.5 |
| 37.5° | 1445.0 | 1429.5 | 1398.4 | 1386.8 | 1383.0 | 1367.5 | 1352.0 | 1344.3 | 1332.6 | 1321.0 | 1317.1 |
| 40° | 1313.2 | 1293.9 | 1278.4 | 1266.7 | 1259.0 | 1247.4 | 1231.9 | 1228.0 | 1220.3 | 1204.8 | 1200.9 |
| 42.5° | 1189.2 | 1169.9 | 1154.4 | 1150.6 | 1138.9 | 1127.3 | 1119.5 | 1107.9 | 1104.0 | 1100.2 | 1092.4 |
| 45° | 1069.2 | 1057.6 | 1042.0 | 1038.2 | 1034.3 | 1018.8 | 1011.1 | 1003.3 | 995.6 | 991.7 | 984.0 |
| 47.5° | 960.7 | 949.1 | 937.5 | 933.6 | 925.9 | 922.0 | 910.4 | 906.5 | 894.8 | 891.0 | 887.1 |
| 50° | 856.1 | 848.4 | 840.7 | 836.8 | 829.0 | 825.1 | 817.4 | 809.6 | 801.9 | 798.0 | 794.1 |
| 52.5° | 763.2 | 755.4 | 747.6 | 743.8 | 739.9 | 732.1 | 724.4 | 716.7 | 712.8 | 708.9 | 705.1 |
| 55° | 674.0 | 666.3 | 662.4 | 658.5 | 654.7 | 650.8 | 639.2 | 635.3 | 631.5 | 627.6 | 619.9 |
| 57.5° | 592.7 | 584.9 | 577.2 | 577.2 | 573.3 | 569.5 | 561.7 | 554.0 | 554.0 | 546.3 | 538.4 |
| 60° | 519.1 | 511.3 | 503.6 | 499.7 | 495.9 | 488.1 | 484.3 | 480.4 | 476.5 | 472.7 | 464.8 |
| 62.5° | 441.6 | 437.7 | 430.0 | 430.0 | 422.3 | 418.4 | 414.5 | 410.7 | 406.8 | 399.1 | 395.1 |
| 65° | 375.7 | 371.9 | 364.1 | 360.3 | 360.3 | 356.4 | 348.7 | 344.8 | 340.9 | 340.9 | 337.1 |
| 67.5° | 313.7 | 309.9 | 302.1 | 298.3 | 298.3 | 294.4 | 290.5 | 290.5 | 286.7 | 282.8 | 286.7 |
| 70° | 259.6 | 251.7 | 251.7 | 247.9 | 247.9 | 244.0 | 240.1 | 240.1 | 240.1 | 244.0 | 244.0 |
| 72.5° | 205.3 | 201.5 | 197.6 | 197.6 | 197.6 | 197.6 | 193.7 | 193.7 | 197.6 | 201.5 | 201.5 |
| 75° | 162.7 | 158.8 | 158.8 | 158.8 | 154.9 | 154.9 | 158.8 | 158.8 | 162.7 | 162.7 | 162.7 |
| 77.5° | 120.1 | 120.1 | 120.1 | 120.1 | 120.1 | 120.1 | 124.0 | 124.0 | 127.9 | 127.9 | 127.9 |
| 80° | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 96.8 |
| 82.5° | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 65.9 | 65.9 | 65.9 | 65.9 |
| 85° | 34.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 87.5° | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 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: P593854

CATALOG NUMBER: HCC8S55D010SL-HM82555950-81WWW

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 | 2855.0 |
| 2.5° | 2797.0 | 2797.0 | 2797.0 | 2800.8 | 2793.1 | 2793.1 | 2793.1 | 2793.1 |
| 5° | 2731.1 | 2727.2 | 2723.4 | 2727.2 | 2719.5 | 2719.5 | 2715.5 | 2715.5 |
| 7.5° | 2649.8 | 2645.9 | 2641.9 | 2641.9 | 2634.2 | 2634.2 | 2630.3 | 2626.5 |
| 10° | 2560.6 | 2552.9 | 2556.7 | 2549.0 | 2545.1 | 2541.2 | 2537.4 | 2533.5 |
| 12.5° | 2463.8 | 2456.0 | 2452.2 | 2444.4 | 2436.7 | 2432.8 | 2436.7 | 2429.0 |
| 15° | 2359.2 | 2347.5 | 2343.6 | 2335.9 | 2328.2 | 2324.3 | 2324.3 | 2320.4 |
| 17.5° | 2243.0 | 2235.2 | 2231.4 | 2223.6 | 2219.8 | 2212.0 | 2208.0 | 2204.2 |
| 20° | 2134.4 | 2115.1 | 2119.0 | 2111.2 | 2107.4 | 2091.9 | 2091.9 | 2095.8 |
| 22.5° | 2014.4 | 2002.8 | 1995.1 | 1987.2 | 1983.4 | 1975.6 | 1975.6 | 1971.8 |
| 25° | 1894.3 | 1882.7 | 1878.8 | 1871.1 | 1867.2 | 1859.5 | 1855.6 | 1855.6 |
| 27.5° | 1778.2 | 1762.6 | 1762.6 | 1754.8 | 1747.1 | 1743.2 | 1739.4 | 1735.5 |
| 30° | 1654.2 | 1642.6 | 1638.7 | 1638.7 | 1634.8 | 1634.8 | 1623.1 | 1627.0 |
| 32.5° | 1537.9 | 1530.2 | 1526.3 | 1518.6 | 1518.6 | 1514.7 | 1514.7 | 1503.1 |
| 35° | 1421.8 | 1410.0 | 1414.0 | 1406.2 | 1402.3 | 1398.4 | 1402.3 | 1398.4 |
| 37.5° | 1309.4 | 1301.6 | 1301.6 | 1293.9 | 1293.9 | 1290.0 | 1286.2 | 1293.9 |
| 40° | 1197.1 | 1193.1 | 1189.2 | 1185.4 | 1189.2 | 1185.4 | 1177.6 | 1181.5 |
| 42.5° | 1084.7 | 1084.7 | 1080.8 | 1080.8 | 1077.0 | 1077.0 | 1077.0 | 1077.0 |
| 45° | 984.0 | 980.1 | 980.1 | 976.2 | 976.2 | 976.2 | 976.2 | 972.3 |
| 47.5° | 883.2 | 879.4 | 879.4 | 879.4 | 875.5 | 875.5 | 871.6 | 875.5 |
| 50° | 786.4 | 786.4 | 782.5 | 782.5 | 786.4 | 782.5 | 778.7 | 778.7 |
| 52.5° | 697.3 | 697.3 | 693.5 | 693.5 | 689.6 | 685.6 | 689.6 | 689.6 |
| 55° | 615.9 | 612.0 | 608.2 | 608.2 | 604.3 | 600.4 | 600.4 | 604.3 |
| 57.5° | 538.4 | 534.5 | 530.7 | 530.7 | 522.9 | 519.1 | 519.1 | 519.1 |
| 60° | 464.8 | 457.1 | 457.1 | 453.2 | 453.2 | 449.3 | 449.3 | 449.3 |
| 62.5° | 395.1 | 391.2 | 391.2 | 391.2 | 391.2 | 387.3 | 387.3 | 387.3 |
| 65° | 337.1 | 337.1 | 337.1 | 340.9 | 340.9 | 344.8 | 344.8 | 344.8 |
| 67.5° | 290.5 | 294.4 | 294.4 | 294.4 | 298.3 | 298.3 | 298.3 | 294.4 |
| 70° | 247.9 | 247.9 | 247.9 | 251.7 | 251.7 | 251.7 | 251.7 | 251.7 |
| 72.5° | 205.3 | 205.3 | 205.3 | 205.3 | 205.3 | 205.3 | 205.3 | 205.3 |
| 75° | 162.7 | 166.5 | 166.5 | 166.5 | 162.7 | 166.5 | 166.5 | 162.7 |
| 77.5° | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 | 127.9 |
| 80° | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 82.5° | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 85° | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 | 38.8 |
| 87.5° | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 | 15.5 |
| 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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Scaled Data Report



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

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(END OF REPORT)