

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: P593838

Luminaire Tested: **HCC8S55D010SL-HM82555850-81WWWB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P593838
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: HCC8S55D010SL-HM82555850-81WWWB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, BLACK BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

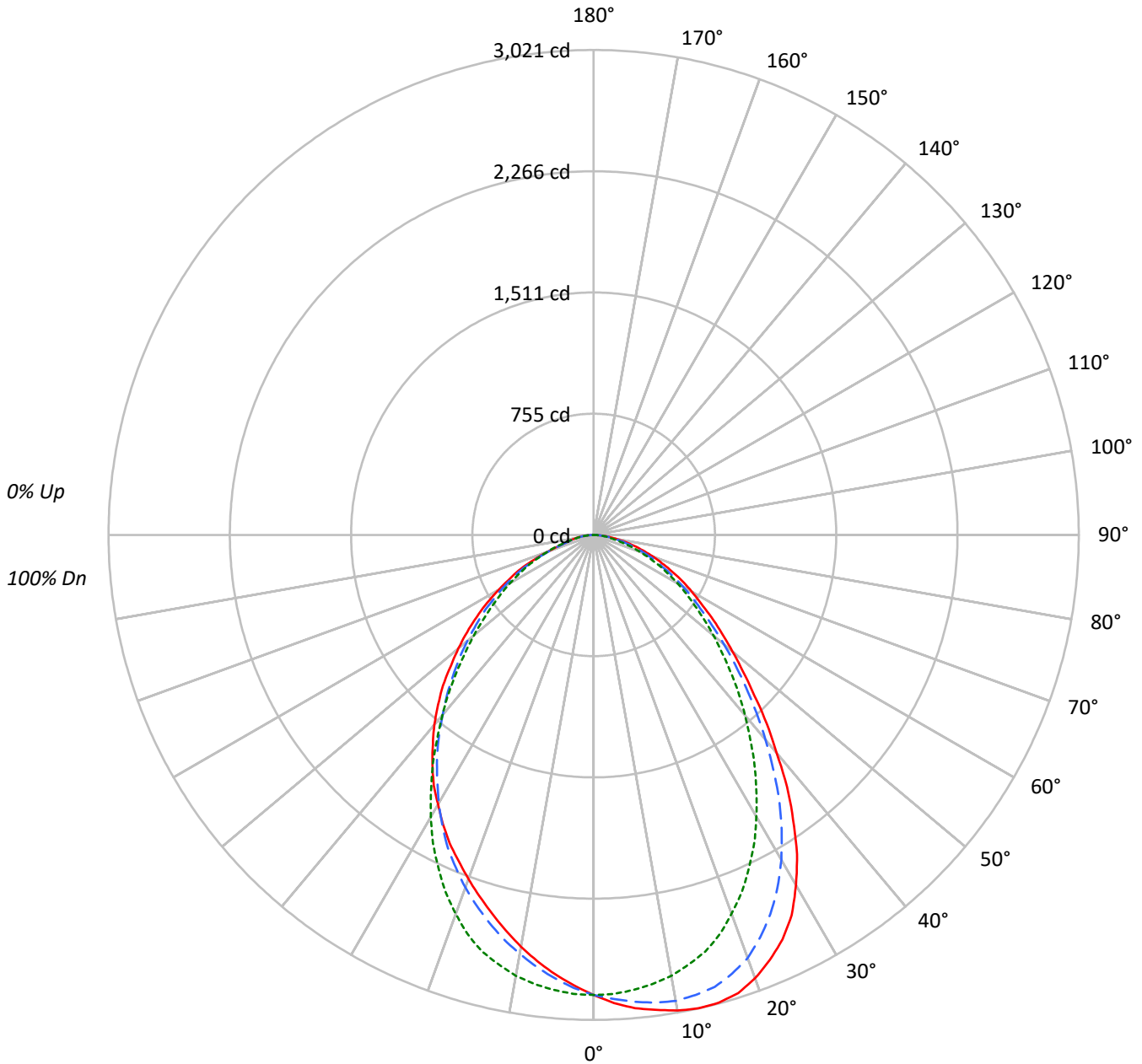
Lumens per Lamp: N/A
Luminaire Lumens: 5764.1 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.09 / 1.18
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): NR
Input Current (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: P593838
CATALOG NUMBER: HCC8S55D010SL-HM82555850-81WWWB

Luminous Intensity Polar Plot





TEST NUMBER: P593838

CATALOG NUMBER: HCC8S55D010SL-HM82555850-81WWWB

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 88374 | 88374 | 88374 |
| 5° | 91609 | 88083 | 85059 |
| 10° | 94199 | 87314 | 81580 |
| 15° | 96302 | 85774 | 77978 |
| 20° | 96454 | 82422 | 74812 |
| 25° | 94604 | 77844 | 72165 |
| 30° | 89725 | 72185 | 68999 |
| 35° | 81526 | 65742 | 65896 |
| 40° | 71286 | 58996 | 62108 |
| 45° | 61781 | 52553 | 57878 |
| 50° | 54099 | 46678 | 52727 |
| 55° | 48149 | 41364 | 47708 |
| 60° | 43436 | 37158 | 41931 |
| 65° | 39211 | 32674 | 36534 |
| 70° | 35243 | 27526 | 27156 |
| 75° | 31037 | 21827 | 20373 |
| 80° | 26015 | 18060 | 19516 |
| 85° | 20167 | 15851 | 17301 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 270.4 | 4.7 |
| 10°-20° | 761.5 | 13.2 |
| 20°-30° | 1088.3 | 18.9 |
| 30°-40° | 1156.4 | 20.1 |
| 40°-50° | 995.6 | 17.3 |
| 50°-60° | 744.4 | 12.9 |
| 60°-70° | 474.8 | 8.2 |
| 70°-80° | 216.1 | 3.7 |
| 80°-90° | 56.7 | 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° | 2120.2 | 36.8 |
| 0°-40° | 3276.6 | 56.8 |
| 0°-60° | 5016.6 | 87.0 |
| 0°-90° | 5764.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5764.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2866 | 2866 | 2866 | 2866 | 2866 | |
| 5° | 2960 | 2919 | 2846 | 2772 | 2748 | 284 |
| 15° | 3017 | 2915 | 2687 | 2504 | 2443 | 850 |
| 25° | 2780 | 2605 | 2288 | 2149 | 2121 | 1273 |
| 35° | 2166 | 2015 | 1746 | 1702 | 1750 | 1349 |
| 45° | 1417 | 1339 | 1205 | 1238 | 1327 | 1101 |
| 55° | 896 | 822 | 769 | 835 | 887 | 805 |
| 65° | 537 | 476 | 448 | 468 | 501 | 536 |
| 75° | 260 | 224 | 183 | 167 | 171 | 277 |
| 85° | 57 | 49 | 45 | 49 | 49 | 69 |
| 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° | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 |
| 2.5° | 2918.9 | 2910.8 | 2914.8 | 2910.8 | 2914.8 | 2914.8 | 2906.7 | 2906.7 | 2906.7 | 2906.7 | 2894.5 |
| 5° | 2959.5 | 2955.5 | 2955.5 | 2951.4 | 2947.3 | 2951.4 | 2947.3 | 2943.2 | 2935.2 | 2931.1 | 2918.9 |
| 7.5° | 2984.0 | 2984.0 | 2984.0 | 2984.0 | 2979.9 | 2975.8 | 2971.8 | 2963.6 | 2955.5 | 2947.3 | 2939.3 |
| 10° | 3008.4 | 3012.5 | 3008.4 | 3004.3 | 3000.3 | 2992.1 | 2988.0 | 2979.9 | 2967.7 | 2955.5 | 2947.3 |
| 12.5° | 3020.6 | 3020.6 | 3016.6 | 3016.6 | 3008.4 | 3004.3 | 2992.1 | 2979.9 | 2967.7 | 2955.5 | 2935.2 |
| 15° | 3016.6 | 3016.6 | 3012.5 | 3008.4 | 2996.2 | 2992.1 | 2984.0 | 2971.8 | 2951.4 | 2935.2 | 2914.8 |
| 17.5° | 2992.1 | 2988.0 | 2979.9 | 2979.9 | 2963.6 | 2959.5 | 2951.4 | 2935.2 | 2914.8 | 2890.4 | 2865.9 |
| 20° | 2939.3 | 2939.3 | 2935.2 | 2931.1 | 2914.8 | 2902.6 | 2894.5 | 2874.1 | 2857.8 | 2829.3 | 2804.8 |
| 22.5° | 2865.9 | 2874.1 | 2865.9 | 2857.8 | 2837.4 | 2833.4 | 2821.1 | 2796.7 | 2772.4 | 2739.8 | 2711.3 |
| 25° | 2780.5 | 2776.4 | 2772.4 | 2764.2 | 2747.9 | 2739.8 | 2723.5 | 2699.0 | 2674.6 | 2637.9 | 2605.4 |
| 27.5° | 2670.5 | 2654.2 | 2654.2 | 2637.9 | 2625.7 | 2613.6 | 2605.4 | 2581.0 | 2548.4 | 2519.9 | 2479.2 |
| 30° | 2519.9 | 2524.0 | 2503.6 | 2499.5 | 2479.2 | 2471.0 | 2454.8 | 2430.4 | 2401.9 | 2369.3 | 2336.7 |
| 32.5° | 2357.1 | 2344.8 | 2344.8 | 2328.5 | 2312.2 | 2300.0 | 2296.1 | 2267.5 | 2243.1 | 2210.5 | 2177.9 |
| 35° | 2165.7 | 2165.7 | 2153.5 | 2149.4 | 2133.2 | 2125.1 | 2112.8 | 2096.6 | 2068.0 | 2039.5 | 2015.1 |
| 37.5° | 1978.5 | 1970.4 | 1966.3 | 1958.2 | 1945.9 | 1933.7 | 1933.7 | 1905.2 | 1901.1 | 1868.5 | 1835.9 |
| 40° | 1770.9 | 1779.0 | 1770.9 | 1758.7 | 1754.6 | 1746.4 | 1742.4 | 1726.1 | 1713.8 | 1685.3 | 1665.1 |
| 42.5° | 1595.8 | 1587.7 | 1587.7 | 1583.6 | 1567.3 | 1567.3 | 1559.2 | 1551.0 | 1530.6 | 1522.5 | 1498.1 |
| 45° | 1416.7 | 1424.8 | 1412.6 | 1416.7 | 1400.4 | 1400.4 | 1400.4 | 1384.1 | 1367.8 | 1355.7 | 1339.4 |
| 47.5° | 1262.0 | 1266.1 | 1266.1 | 1253.8 | 1249.8 | 1249.8 | 1241.6 | 1233.5 | 1221.2 | 1205.1 | 1192.7 |
| 50° | 1127.7 | 1131.7 | 1123.6 | 1119.5 | 1111.4 | 1107.3 | 1107.3 | 1091.0 | 1082.9 | 1066.6 | 1058.4 |
| 52.5° | 1005.6 | 1005.6 | 1001.5 | 1001.5 | 989.3 | 989.3 | 981.1 | 968.9 | 960.7 | 952.6 | 932.2 |
| 55° | 895.6 | 895.6 | 891.5 | 887.4 | 887.4 | 875.2 | 871.1 | 859.0 | 850.9 | 834.6 | 822.3 |
| 57.5° | 789.8 | 793.8 | 789.8 | 785.7 | 781.6 | 777.5 | 769.4 | 757.2 | 749.0 | 736.8 | 728.7 |
| 60° | 704.3 | 704.3 | 700.2 | 696.2 | 688.0 | 683.9 | 679.9 | 671.7 | 659.5 | 651.4 | 639.1 |
| 62.5° | 622.8 | 618.8 | 614.7 | 610.6 | 602.5 | 602.5 | 594.3 | 586.2 | 574.0 | 565.8 | 557.8 |
| 65° | 537.4 | 537.4 | 533.3 | 533.3 | 529.3 | 521.1 | 517.0 | 513.0 | 496.7 | 492.6 | 476.3 |
| 67.5° | 460.0 | 464.1 | 455.9 | 455.9 | 447.8 | 447.8 | 443.7 | 431.5 | 427.4 | 419.3 | 411.1 |
| 70° | 390.9 | 390.9 | 390.9 | 386.8 | 378.6 | 374.6 | 370.5 | 362.3 | 358.3 | 350.1 | 342.0 |
| 72.5° | 321.6 | 321.6 | 317.5 | 317.5 | 313.5 | 309.4 | 305.3 | 297.2 | 297.2 | 289.0 | 280.9 |
| 75° | 260.5 | 260.5 | 256.4 | 252.4 | 248.3 | 248.3 | 244.2 | 240.1 | 232.1 | 228.0 | 223.9 |
| 77.5° | 199.5 | 199.5 | 199.5 | 195.4 | 191.4 | 191.4 | 191.4 | 183.2 | 175.1 | 175.1 | 171.0 |
| 80° | 146.5 | 146.5 | 142.5 | 142.5 | 138.4 | 138.4 | 138.4 | 134.3 | 130.3 | 126.2 | 122.1 |
| 82.5° | 97.7 | 97.7 | 97.7 | 97.7 | 93.6 | 93.6 | 93.6 | 89.5 | 85.4 | 85.4 | 85.4 |
| 85° | 57.0 | 57.0 | 57.0 | 57.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 48.9 | 48.9 |
| 87.5° | 24.4 | 20.4 | 24.4 | 20.4 | 24.4 | 20.4 | 24.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 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° | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 |
| 2.5° | 2898.5 | 2894.5 | 2890.4 | 2886.3 | 2886.3 | 2882.2 | 2874.1 | 2870.0 | 2865.9 | 2861.9 | 2861.9 |
| 5° | 2914.8 | 2910.8 | 2902.6 | 2894.5 | 2890.4 | 2882.2 | 2874.1 | 2865.9 | 2857.8 | 2845.6 | 2841.5 |
| 7.5° | 2927.0 | 2914.8 | 2906.7 | 2890.4 | 2886.3 | 2878.2 | 2865.9 | 2853.7 | 2837.4 | 2821.1 | 2808.9 |
| 10° | 2927.0 | 2910.8 | 2898.5 | 2878.2 | 2870.0 | 2861.9 | 2845.6 | 2825.2 | 2804.8 | 2788.5 | 2768.3 |
| 12.5° | 2918.9 | 2898.5 | 2878.2 | 2857.8 | 2845.6 | 2833.4 | 2808.9 | 2788.5 | 2764.2 | 2739.8 | 2723.5 |
| 15° | 2890.4 | 2865.9 | 2841.5 | 2817.1 | 2804.8 | 2788.5 | 2764.2 | 2735.7 | 2711.3 | 2686.8 | 2658.3 |
| 17.5° | 2837.4 | 2813.0 | 2784.6 | 2756.1 | 2739.8 | 2727.5 | 2690.9 | 2670.5 | 2634.0 | 2609.5 | 2585.1 |
| 20° | 2768.3 | 2739.8 | 2703.1 | 2674.6 | 2654.2 | 2642.0 | 2613.6 | 2576.9 | 2548.4 | 2511.7 | 2487.3 |
| 22.5° | 2678.7 | 2642.0 | 2605.4 | 2576.9 | 2556.6 | 2540.3 | 2503.6 | 2466.9 | 2442.6 | 2410.0 | 2381.5 |
| 25° | 2572.9 | 2536.2 | 2499.5 | 2458.9 | 2438.5 | 2422.2 | 2389.6 | 2357.1 | 2324.5 | 2287.9 | 2263.5 |
| 27.5° | 2446.7 | 2405.9 | 2373.3 | 2336.7 | 2316.3 | 2292.0 | 2255.3 | 2222.7 | 2190.1 | 2165.7 | 2133.2 |
| 30° | 2308.3 | 2263.5 | 2230.9 | 2194.2 | 2173.8 | 2153.5 | 2116.9 | 2084.3 | 2055.8 | 2027.3 | 2011.0 |
| 32.5° | 2141.4 | 2108.8 | 2076.2 | 2039.5 | 2023.2 | 2011.0 | 1974.4 | 1941.9 | 1909.3 | 1884.8 | 1872.6 |
| 35° | 1982.6 | 1945.9 | 1917.4 | 1884.8 | 1864.5 | 1852.2 | 1819.8 | 1791.2 | 1774.9 | 1746.4 | 1730.1 |
| 37.5° | 1815.7 | 1787.2 | 1754.6 | 1722.0 | 1709.8 | 1697.5 | 1673.1 | 1644.7 | 1620.3 | 1599.9 | 1591.7 |
| 40° | 1640.6 | 1616.2 | 1587.7 | 1567.3 | 1555.1 | 1542.9 | 1522.5 | 1502.2 | 1485.9 | 1465.6 | 1457.4 |
| 42.5° | 1473.7 | 1457.4 | 1433.0 | 1408.5 | 1396.3 | 1392.2 | 1367.8 | 1351.6 | 1343.5 | 1335.3 | 1327.2 |
| 45° | 1323.1 | 1298.6 | 1282.4 | 1266.1 | 1253.8 | 1245.7 | 1233.5 | 1221.2 | 1213.1 | 1205.1 | 1196.8 |
| 47.5° | 1176.5 | 1156.2 | 1139.9 | 1127.7 | 1115.4 | 1111.4 | 1103.2 | 1091.0 | 1082.9 | 1082.9 | 1082.9 |
| 50° | 1042.1 | 1025.9 | 1009.6 | 1001.5 | 997.4 | 989.3 | 981.1 | 977.0 | 973.0 | 973.0 | 973.0 |
| 52.5° | 924.1 | 907.8 | 895.6 | 887.4 | 887.4 | 879.4 | 871.1 | 867.2 | 867.2 | 867.2 | 867.2 |
| 55° | 814.2 | 802.0 | 793.8 | 785.7 | 777.5 | 773.5 | 773.5 | 773.5 | 769.4 | 769.4 | 773.5 |
| 57.5° | 716.4 | 708.4 | 696.2 | 688.0 | 683.9 | 683.9 | 679.9 | 675.8 | 679.9 | 683.9 | 688.0 |
| 60° | 626.9 | 618.8 | 614.7 | 602.5 | 602.5 | 602.5 | 598.4 | 598.4 | 598.4 | 602.5 | 606.6 |
| 62.5° | 545.4 | 541.5 | 533.3 | 529.3 | 525.2 | 525.2 | 521.1 | 521.1 | 521.1 | 521.1 | 525.2 |
| 65° | 472.2 | 464.1 | 455.9 | 455.9 | 455.9 | 451.9 | 451.9 | 443.7 | 447.8 | 447.8 | 443.7 |
| 67.5° | 403.1 | 394.8 | 390.9 | 386.8 | 382.7 | 382.7 | 378.6 | 374.6 | 370.5 | 370.5 | 370.5 |
| 70° | 337.9 | 329.8 | 329.8 | 321.6 | 321.6 | 317.5 | 313.5 | 313.5 | 309.4 | 305.3 | 301.2 |
| 72.5° | 272.7 | 268.7 | 264.6 | 260.5 | 260.5 | 260.5 | 256.4 | 252.4 | 248.3 | 244.2 | 236.2 |
| 75° | 215.8 | 215.8 | 207.6 | 203.6 | 203.6 | 199.5 | 195.4 | 191.4 | 187.3 | 183.2 | 179.1 |
| 77.5° | 166.9 | 162.8 | 154.7 | 150.6 | 150.6 | 150.6 | 146.5 | 142.5 | 138.4 | 134.3 | 130.3 |
| 80° | 122.1 | 118.0 | 114.0 | 109.9 | 109.9 | 109.9 | 105.8 | 105.8 | 101.7 | 101.7 | 101.7 |
| 82.5° | 81.5 | 81.5 | 77.4 | 77.4 | 77.4 | 77.4 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| 85° | 48.9 | 48.9 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| 87.5° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 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° | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 |
| 2.5° | 2853.7 | 2853.7 | 2845.6 | 2841.5 | 2837.4 | 2841.5 | 2833.4 | 2829.3 | 2825.2 | 2825.2 | 2821.1 |
| 5° | 2829.3 | 2825.2 | 2808.9 | 2804.8 | 2800.8 | 2796.7 | 2788.5 | 2780.5 | 2772.4 | 2768.3 | 2764.2 |
| 7.5° | 2796.7 | 2784.6 | 2768.3 | 2764.2 | 2760.1 | 2747.9 | 2735.7 | 2727.5 | 2715.3 | 2711.3 | 2703.1 |
| 10° | 2752.0 | 2735.7 | 2723.5 | 2711.3 | 2703.1 | 2690.9 | 2678.7 | 2666.4 | 2650.1 | 2646.1 | 2634.0 |
| 12.5° | 2699.0 | 2678.7 | 2654.2 | 2650.1 | 2637.9 | 2621.6 | 2605.4 | 2593.2 | 2581.0 | 2572.9 | 2560.6 |
| 15° | 2634.0 | 2613.6 | 2589.1 | 2576.9 | 2564.7 | 2552.5 | 2532.1 | 2515.8 | 2503.6 | 2491.4 | 2479.2 |
| 17.5° | 2556.6 | 2532.1 | 2511.7 | 2499.5 | 2491.4 | 2471.0 | 2454.8 | 2434.5 | 2422.2 | 2410.0 | 2397.8 |
| 20° | 2463.0 | 2442.6 | 2414.1 | 2401.9 | 2397.8 | 2381.5 | 2361.1 | 2353.0 | 2336.7 | 2324.5 | 2316.3 |
| 22.5° | 2357.1 | 2336.7 | 2312.2 | 2304.2 | 2287.9 | 2279.8 | 2259.4 | 2251.2 | 2243.1 | 2230.9 | 2226.8 |
| 25° | 2239.0 | 2218.7 | 2198.3 | 2194.2 | 2182.0 | 2173.8 | 2161.6 | 2149.4 | 2149.4 | 2137.3 | 2137.3 |
| 27.5° | 2116.9 | 2096.6 | 2080.3 | 2072.1 | 2068.0 | 2059.9 | 2047.7 | 2043.6 | 2039.5 | 2035.4 | 2035.4 |
| 30° | 1986.7 | 1962.2 | 1954.1 | 1950.0 | 1945.9 | 1937.8 | 1933.7 | 1925.6 | 1929.6 | 1933.7 | 1929.6 |
| 32.5° | 1848.2 | 1840.0 | 1823.7 | 1815.7 | 1819.8 | 1815.7 | 1807.5 | 1815.7 | 1811.6 | 1819.8 | 1823.7 |
| 35° | 1713.8 | 1705.7 | 1697.5 | 1697.5 | 1689.4 | 1689.4 | 1689.4 | 1693.5 | 1701.6 | 1705.7 | 1713.8 |
| 37.5° | 1583.6 | 1571.4 | 1567.3 | 1563.2 | 1567.3 | 1567.3 | 1567.3 | 1575.4 | 1583.6 | 1591.7 | 1604.0 |
| 40° | 1445.2 | 1437.0 | 1437.0 | 1437.0 | 1437.0 | 1449.3 | 1445.2 | 1453.3 | 1461.5 | 1473.7 | 1485.9 |
| 42.5° | 1314.9 | 1314.9 | 1319.0 | 1319.0 | 1319.0 | 1319.0 | 1327.2 | 1339.4 | 1351.6 | 1363.7 | 1375.9 |
| 45° | 1192.7 | 1192.7 | 1192.7 | 1200.9 | 1200.9 | 1205.1 | 1221.2 | 1229.4 | 1237.5 | 1249.8 | 1262.0 |
| 47.5° | 1078.8 | 1078.8 | 1082.9 | 1086.9 | 1091.0 | 1099.1 | 1107.3 | 1119.5 | 1131.7 | 1139.9 | 1152.1 |
| 50° | 973.0 | 977.0 | 985.2 | 993.3 | 993.3 | 997.4 | 1009.6 | 1017.8 | 1025.9 | 1038.0 | 1042.1 |
| 52.5° | 871.1 | 879.4 | 887.4 | 891.5 | 895.6 | 903.7 | 907.8 | 920.0 | 924.1 | 936.3 | 940.4 |
| 55° | 777.5 | 781.6 | 793.8 | 797.9 | 797.9 | 806.1 | 814.2 | 822.3 | 834.6 | 834.6 | 842.7 |
| 57.5° | 692.1 | 696.2 | 704.3 | 708.4 | 704.3 | 716.4 | 720.5 | 728.7 | 732.7 | 740.9 | 745.0 |
| 60° | 606.6 | 614.7 | 618.8 | 618.8 | 622.8 | 626.9 | 635.1 | 635.1 | 643.2 | 651.4 | 651.4 |
| 62.5° | 525.2 | 529.3 | 533.3 | 537.4 | 541.5 | 537.4 | 549.6 | 549.6 | 557.8 | 561.7 | 569.9 |
| 65° | 447.8 | 451.9 | 451.9 | 455.9 | 455.9 | 460.0 | 460.0 | 464.1 | 468.2 | 476.3 | 480.4 |
| 67.5° | 370.5 | 370.5 | 370.5 | 374.6 | 370.5 | 374.6 | 374.6 | 378.6 | 378.6 | 386.8 | 390.9 |
| 70° | 301.2 | 297.2 | 293.1 | 293.1 | 293.1 | 293.1 | 289.0 | 293.1 | 293.1 | 297.2 | 297.2 |
| 72.5° | 232.1 | 228.0 | 223.9 | 219.9 | 219.9 | 215.8 | 211.7 | 215.8 | 215.8 | 219.9 | 219.9 |
| 75° | 175.1 | 166.9 | 166.9 | 166.9 | 162.8 | 162.8 | 162.8 | 166.9 | 166.9 | 166.9 | 171.0 |
| 77.5° | 130.3 | 130.3 | 126.2 | 126.2 | 126.2 | 130.3 | 130.3 | 134.3 | 134.3 | 134.3 | 134.3 |
| 80° | 97.7 | 101.7 | 101.7 | 101.7 | 101.7 | 105.8 | 105.8 | 105.8 | 105.8 | 109.9 | 109.9 |
| 82.5° | 73.2 | 73.2 | 73.2 | 73.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 85° | 44.8 | 48.9 | 48.9 | 44.8 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| 87.5° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 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: P593838

CATALOG NUMBER: HCC8S55D010SL-HM82555850-81WWWB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 | 2865.9 |
| 2.5° | 2817.1 | 2817.1 | 2817.1 | 2817.1 | 2813.0 | 2813.0 | 2813.0 | 2808.9 |
| 5° | 2756.1 | 2756.1 | 2756.1 | 2747.9 | 2752.0 | 2752.0 | 2743.8 | 2747.9 |
| 7.5° | 2695.0 | 2690.9 | 2686.8 | 2686.8 | 2682.7 | 2678.7 | 2674.6 | 2678.7 |
| 10° | 2625.7 | 2613.6 | 2613.6 | 2609.5 | 2609.5 | 2601.4 | 2601.4 | 2605.4 |
| 12.5° | 2548.4 | 2540.3 | 2540.3 | 2536.2 | 2532.1 | 2528.0 | 2524.0 | 2524.0 |
| 15° | 2471.0 | 2463.0 | 2458.9 | 2454.8 | 2450.7 | 2442.6 | 2446.7 | 2442.6 |
| 17.5° | 2393.7 | 2381.5 | 2381.5 | 2377.4 | 2373.3 | 2365.2 | 2365.2 | 2361.1 |
| 20° | 2304.2 | 2300.0 | 2292.0 | 2296.1 | 2292.0 | 2283.8 | 2279.8 | 2279.8 |
| 22.5° | 2214.6 | 2214.6 | 2210.5 | 2210.5 | 2206.4 | 2202.4 | 2198.3 | 2198.3 |
| 25° | 2129.1 | 2125.1 | 2129.1 | 2129.1 | 2116.9 | 2116.9 | 2116.9 | 2121.0 |
| 27.5° | 2031.4 | 2035.4 | 2031.4 | 2031.4 | 2031.4 | 2031.4 | 2035.4 | 2031.4 |
| 30° | 1933.7 | 1933.7 | 1933.7 | 1937.8 | 1945.9 | 1941.9 | 1941.9 | 1937.8 |
| 32.5° | 1827.9 | 1832.0 | 1832.0 | 1835.9 | 1840.0 | 1848.2 | 1848.2 | 1852.2 |
| 35° | 1722.0 | 1730.1 | 1734.2 | 1730.1 | 1742.4 | 1742.4 | 1750.5 | 1750.5 |
| 37.5° | 1612.1 | 1616.2 | 1624.3 | 1628.4 | 1636.5 | 1640.6 | 1644.7 | 1644.7 |
| 40° | 1494.1 | 1510.4 | 1514.3 | 1518.4 | 1530.6 | 1530.6 | 1534.7 | 1542.9 |
| 42.5° | 1384.1 | 1400.4 | 1404.5 | 1408.5 | 1416.7 | 1428.9 | 1424.8 | 1433.0 |
| 45° | 1278.3 | 1290.5 | 1294.6 | 1298.6 | 1310.9 | 1314.9 | 1314.9 | 1327.2 |
| 47.5° | 1164.3 | 1172.5 | 1176.5 | 1184.7 | 1192.7 | 1200.9 | 1209.0 | 1205.1 |
| 50° | 1050.3 | 1062.5 | 1070.6 | 1074.7 | 1086.9 | 1091.0 | 1095.1 | 1099.1 |
| 52.5° | 948.5 | 956.7 | 960.7 | 964.8 | 977.0 | 981.1 | 985.2 | 993.3 |
| 55° | 850.9 | 854.9 | 863.1 | 859.0 | 871.1 | 875.2 | 879.4 | 887.4 |
| 57.5° | 753.1 | 757.2 | 761.2 | 761.2 | 769.4 | 777.5 | 781.6 | 785.7 |
| 60° | 659.5 | 667.7 | 671.7 | 671.7 | 671.7 | 679.9 | 679.9 | 679.9 |
| 62.5° | 574.0 | 574.0 | 578.0 | 578.0 | 586.2 | 586.2 | 586.2 | 586.2 |
| 65° | 484.4 | 488.5 | 492.6 | 492.6 | 500.7 | 496.7 | 504.8 | 500.7 |
| 67.5° | 390.9 | 390.9 | 398.9 | 398.9 | 394.8 | 398.9 | 398.9 | 398.9 |
| 70° | 297.2 | 297.2 | 301.2 | 301.2 | 301.2 | 301.2 | 301.2 | 301.2 |
| 72.5° | 219.9 | 219.9 | 219.9 | 223.9 | 219.9 | 219.9 | 223.9 | 219.9 |
| 75° | 171.0 | 171.0 | 171.0 | 171.0 | 171.0 | 171.0 | 171.0 | 171.0 |
| 77.5° | 134.3 | 134.3 | 138.4 | 138.4 | 138.4 | 138.4 | 138.4 | 138.4 |
| 80° | 109.9 | 109.9 | 109.9 | 109.9 | 114.0 | 109.9 | 109.9 | 109.9 |
| 82.5° | 81.5 | 77.4 | 81.5 | 77.4 | 81.5 | 81.5 | 81.5 | 81.5 |
| 85° | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| 87.5° | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 | 20.4 |
| 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)