

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: P584657

Luminaire Tested: **HCC8S45D010SL-HM82555827-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2109-368-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/21/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC8S45D010SL-HM82555827-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

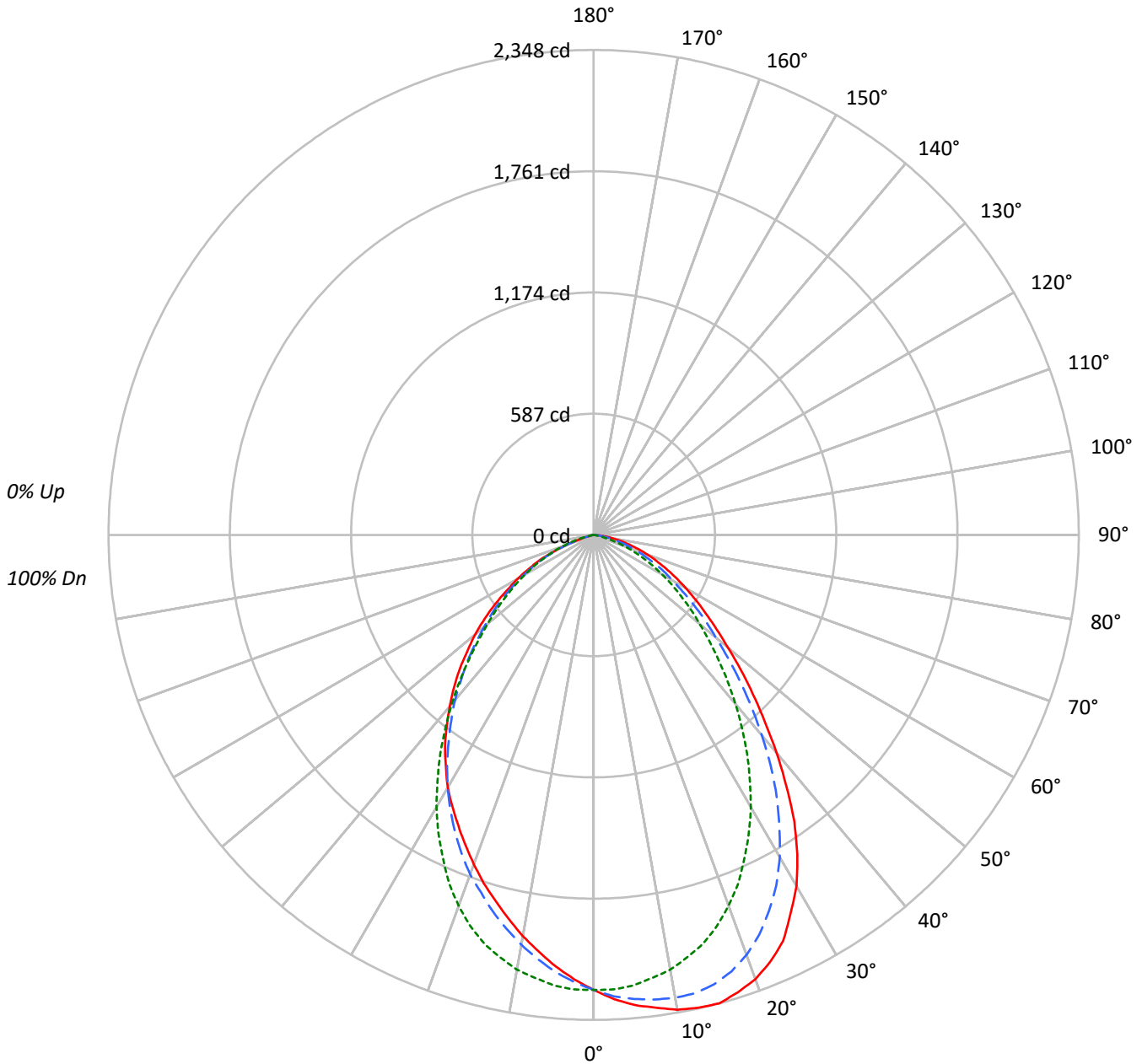
Lumens per Lamp: N/A
Luminaire Lumens: 4103.4 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 44
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: P584657
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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 | 111 | 107 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | | | | | | | |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 77 | | | | | | | | |
| 3 | 95 | 86 | 79 | 74 | 93 | 85 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 71 | 77 | 73 | 69 | 67 | | | | | | | | |
| 4 | 88 | 78 | 70 | 64 | 86 | 76 | 69 | 64 | 74 | 68 | 63 | 72 | 66 | 62 | 70 | 65 | 61 | 59 | | | | | | | | |
| 5 | 82 | 70 | 63 | 57 | 80 | 69 | 62 | 56 | 67 | 61 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 53 | | | | | | | | |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 50 | 62 | 55 | 50 | 60 | 54 | 50 | 58 | 53 | 49 | 47 | | | | | | | | |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 43 | | | | | | | | |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 39 | | | | | | | | |
| 9 | 62 | 50 | 43 | 37 | 61 | 50 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 35 | | | | | | | | |
| 10 | 59 | 47 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 32 | | | | | | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|-------|-------|
| 0° | 67929 | 67929 | 67929 |
| 5° | 70736 | 67783 | 64929 |
| 10° | 73101 | 66917 | 61760 |
| 15° | 74951 | 65387 | 58552 |
| 20° | 75098 | 62674 | 55648 |
| 25° | 73832 | 58709 | 52768 |
| 30° | 69878 | 54168 | 50298 |
| 35° | 63713 | 48715 | 47225 |
| 40° | 55406 | 42943 | 43611 |
| 45° | 47534 | 37194 | 39920 |
| 50° | 40599 | 32070 | 35855 |
| 55° | 35579 | 27617 | 31160 |
| 60° | 31681 | 23553 | 26192 |
| 65° | 28106 | 19226 | 20897 |
| 70° | 24938 | 14245 | 11874 |
| 75° | 20790 | 7446 | 3539 |
| 80° | 16373 | 2326 | 586 |
| 85° | 11676 | 1168 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 207.6 | 5.1 |
| 10°-20° | 581.8 | 14.2 |
| 20°-30° | 823.5 | 20.1 |
| 30°-40° | 861.5 | 21.0 |
| 40°-50° | 718.6 | 17.5 |
| 50°-60° | 509.5 | 12.4 |
| 60°-70° | 293.5 | 7.2 |
| 70°-80° | 94.4 | 2.3 |
| 80°-90° | 13.0 | 0.3 |
| 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° | 1612.8 | 39.3 |
| 0°-40° | 2474.3 | 60.3 |
| 0°-60° | 3702.4 | 90.2 |
| 0°-90° | 4103.4 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4103.4 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2203 | 2203 | 2203 | 2203 | 2203 | |
| 5° | 2285 | 2256 | 2190 | 2124 | 2098 | 219 |
| 15° | 2348 | 2252 | 2048 | 1887 | 1834 | 660 |
| 25° | 2170 | 2009 | 1726 | 1587 | 1551 | 990 |
| 35° | 1692 | 1544 | 1294 | 1225 | 1254 | 1049 |
| 45° | 1090 | 1001 | 853 | 863 | 915 | 845 |
| 55° | 662 | 593 | 514 | 540 | 580 | 598 |
| 65° | 385 | 323 | 264 | 264 | 286 | 385 |
| 75° | 174 | 128 | 62 | 30 | 30 | 189 |
| 85° | 33 | 16 | 3 | 0 | 0 | 41 |
| 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° | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 |
| 2.5° | 2249.0 | 2245.7 | 2242.4 | 2245.7 | 2242.4 | 2245.7 | 2242.4 | 2242.4 | 2239.1 | 2235.9 | 2235.9 |
| 5° | 2285.2 | 2282.0 | 2282.0 | 2282.0 | 2278.7 | 2275.4 | 2275.4 | 2272.1 | 2265.5 | 2262.2 | 2255.6 |
| 7.5° | 2308.3 | 2311.6 | 2311.6 | 2311.6 | 2304.9 | 2304.9 | 2298.4 | 2291.8 | 2285.2 | 2278.7 | 2268.8 |
| 10° | 2334.6 | 2334.6 | 2331.3 | 2328.1 | 2321.5 | 2318.2 | 2314.9 | 2308.3 | 2298.4 | 2285.2 | 2275.4 |
| 12.5° | 2344.5 | 2344.5 | 2341.2 | 2334.6 | 2331.3 | 2328.1 | 2324.8 | 2314.9 | 2301.7 | 2285.2 | 2272.1 |
| 15° | 2347.8 | 2341.2 | 2337.9 | 2334.6 | 2328.1 | 2318.2 | 2318.2 | 2304.9 | 2288.5 | 2268.8 | 2252.3 |
| 17.5° | 2321.5 | 2324.8 | 2318.2 | 2311.6 | 2301.7 | 2295.1 | 2285.2 | 2275.4 | 2255.6 | 2232.6 | 2216.1 |
| 20° | 2288.5 | 2285.2 | 2282.0 | 2272.1 | 2258.8 | 2255.6 | 2245.7 | 2229.3 | 2212.7 | 2186.5 | 2163.4 |
| 22.5° | 2235.9 | 2232.6 | 2226.0 | 2219.4 | 2206.2 | 2199.6 | 2189.8 | 2170.0 | 2146.9 | 2120.5 | 2094.3 |
| 25° | 2170.0 | 2163.4 | 2153.5 | 2140.4 | 2130.5 | 2124.0 | 2110.7 | 2091.0 | 2064.6 | 2035.0 | 2008.6 |
| 27.5° | 2064.6 | 2074.5 | 2067.9 | 2048.2 | 2038.3 | 2025.1 | 2021.8 | 1995.5 | 1972.4 | 1942.8 | 1913.2 |
| 30° | 1962.5 | 1962.5 | 1952.7 | 1942.8 | 1926.3 | 1916.4 | 1903.3 | 1883.5 | 1860.5 | 1824.2 | 1801.1 |
| 32.5° | 1834.1 | 1830.8 | 1817.7 | 1814.4 | 1801.1 | 1781.4 | 1778.2 | 1751.8 | 1728.8 | 1702.4 | 1672.8 |
| 35° | 1692.5 | 1686.0 | 1672.8 | 1662.8 | 1656.3 | 1646.4 | 1636.6 | 1613.5 | 1590.5 | 1564.1 | 1544.4 |
| 37.5° | 1531.2 | 1531.2 | 1527.8 | 1511.4 | 1504.8 | 1498.3 | 1488.4 | 1465.3 | 1452.2 | 1425.8 | 1406.1 |
| 40° | 1376.4 | 1373.1 | 1363.3 | 1360.0 | 1353.4 | 1343.4 | 1336.9 | 1323.7 | 1304.0 | 1284.2 | 1264.5 |
| 42.5° | 1225.0 | 1228.2 | 1215.1 | 1218.4 | 1205.1 | 1198.6 | 1195.3 | 1175.6 | 1165.7 | 1145.9 | 1129.5 |
| 45° | 1090.0 | 1086.7 | 1080.1 | 1076.8 | 1070.1 | 1063.6 | 1057.0 | 1047.1 | 1030.7 | 1010.9 | 1001.0 |
| 47.5° | 964.8 | 954.9 | 954.9 | 951.7 | 948.4 | 935.1 | 931.8 | 922.0 | 912.1 | 892.4 | 879.2 |
| 50° | 846.3 | 846.3 | 846.3 | 842.9 | 833.1 | 829.8 | 823.2 | 813.4 | 803.5 | 790.3 | 770.5 |
| 52.5° | 750.7 | 750.7 | 750.7 | 747.4 | 734.3 | 731.0 | 727.7 | 714.6 | 701.3 | 691.5 | 678.3 |
| 55° | 661.8 | 665.2 | 661.8 | 655.2 | 645.4 | 645.4 | 635.5 | 629.0 | 615.7 | 605.9 | 592.7 |
| 57.5° | 586.1 | 586.1 | 579.6 | 576.3 | 569.6 | 566.3 | 559.8 | 553.2 | 536.8 | 526.9 | 510.4 |
| 60° | 513.7 | 510.4 | 510.4 | 503.8 | 497.2 | 490.7 | 487.4 | 477.4 | 470.8 | 454.4 | 441.3 |
| 62.5° | 447.9 | 447.9 | 441.3 | 441.3 | 428.0 | 428.0 | 424.7 | 414.9 | 405.0 | 388.6 | 381.9 |
| 65° | 385.2 | 385.2 | 381.9 | 378.6 | 368.8 | 365.5 | 362.2 | 352.4 | 342.4 | 332.5 | 322.7 |
| 67.5° | 329.3 | 329.3 | 322.7 | 319.4 | 312.8 | 309.6 | 303.0 | 296.3 | 286.4 | 276.6 | 266.7 |
| 70° | 276.6 | 273.3 | 270.0 | 266.7 | 260.2 | 256.9 | 250.2 | 243.6 | 233.8 | 227.2 | 217.4 |
| 72.5° | 223.9 | 223.9 | 220.6 | 214.1 | 210.8 | 207.5 | 204.1 | 197.5 | 187.7 | 177.8 | 171.3 |
| 75° | 174.5 | 174.5 | 174.5 | 168.0 | 161.4 | 158.0 | 158.0 | 151.4 | 144.9 | 135.0 | 128.4 |
| 77.5° | 135.0 | 131.7 | 128.4 | 128.4 | 121.9 | 118.6 | 115.3 | 111.9 | 102.1 | 98.8 | 92.2 |
| 80° | 92.2 | 95.5 | 92.2 | 88.9 | 85.6 | 82.3 | 82.3 | 75.8 | 72.5 | 65.8 | 59.2 |
| 82.5° | 62.5 | 59.2 | 59.2 | 56.0 | 56.0 | 52.7 | 52.7 | 46.1 | 42.8 | 39.5 | 36.2 |
| 85° | 33.0 | 33.0 | 29.7 | 29.7 | 29.7 | 26.4 | 26.4 | 23.1 | 23.1 | 19.7 | 16.4 |
| 87.5° | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 6.6 | 6.6 | 6.6 |
| 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° | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 |
| 2.5° | 2232.6 | 2226.0 | 2222.7 | 2222.7 | 2219.4 | 2216.1 | 2212.7 | 2209.5 | 2202.9 | 2202.9 | 2196.3 |
| 5° | 2249.0 | 2242.4 | 2239.1 | 2229.3 | 2222.7 | 2222.7 | 2209.5 | 2206.2 | 2196.3 | 2189.8 | 2183.2 |
| 7.5° | 2262.2 | 2249.0 | 2239.1 | 2229.3 | 2222.7 | 2216.1 | 2202.9 | 2189.8 | 2176.6 | 2163.4 | 2156.8 |
| 10° | 2262.2 | 2249.0 | 2232.6 | 2216.1 | 2209.5 | 2202.9 | 2186.5 | 2166.6 | 2150.2 | 2137.1 | 2120.5 |
| 12.5° | 2255.6 | 2235.9 | 2216.1 | 2202.9 | 2189.8 | 2179.9 | 2160.1 | 2140.4 | 2120.5 | 2094.3 | 2081.1 |
| 15° | 2235.9 | 2209.5 | 2189.8 | 2166.6 | 2156.8 | 2140.4 | 2124.0 | 2094.3 | 2071.2 | 2048.2 | 2031.6 |
| 17.5° | 2196.3 | 2163.4 | 2140.4 | 2117.3 | 2100.8 | 2091.0 | 2064.6 | 2038.3 | 2011.9 | 1985.5 | 1965.8 |
| 20° | 2137.1 | 2107.4 | 2081.1 | 2051.5 | 2038.3 | 2025.1 | 1992.2 | 1965.8 | 1939.4 | 1909.9 | 1890.1 |
| 22.5° | 2064.6 | 2035.0 | 1998.8 | 1975.7 | 1956.0 | 1939.4 | 1909.9 | 1880.2 | 1853.9 | 1827.5 | 1801.1 |
| 25° | 1975.7 | 1946.1 | 1913.2 | 1876.9 | 1863.8 | 1847.2 | 1814.4 | 1784.7 | 1755.0 | 1725.5 | 1702.4 |
| 27.5° | 1880.2 | 1840.7 | 1814.4 | 1774.9 | 1761.7 | 1745.2 | 1708.9 | 1676.1 | 1649.7 | 1626.7 | 1600.3 |
| 30° | 1765.0 | 1735.3 | 1699.1 | 1662.8 | 1649.7 | 1633.3 | 1603.6 | 1573.9 | 1547.7 | 1521.3 | 1495.0 |
| 32.5° | 1639.9 | 1610.2 | 1573.9 | 1547.7 | 1527.8 | 1514.7 | 1485.1 | 1458.7 | 1432.4 | 1406.1 | 1383.0 |
| 35° | 1508.1 | 1475.2 | 1448.9 | 1422.5 | 1406.1 | 1389.5 | 1360.0 | 1336.9 | 1317.2 | 1294.1 | 1271.1 |
| 37.5° | 1373.1 | 1350.1 | 1323.7 | 1294.1 | 1277.6 | 1264.5 | 1241.4 | 1215.1 | 1198.6 | 1178.9 | 1162.3 |
| 40° | 1241.4 | 1215.1 | 1192.0 | 1165.7 | 1152.5 | 1142.6 | 1119.6 | 1099.8 | 1083.4 | 1066.8 | 1057.0 |
| 42.5° | 1106.4 | 1083.4 | 1060.3 | 1043.9 | 1034.0 | 1024.0 | 1007.6 | 984.6 | 974.6 | 958.2 | 948.4 |
| 45° | 981.2 | 961.5 | 945.1 | 922.0 | 915.4 | 908.8 | 889.0 | 872.6 | 862.7 | 852.9 | 846.3 |
| 47.5° | 862.7 | 849.6 | 829.8 | 816.6 | 806.8 | 800.2 | 787.0 | 773.8 | 764.0 | 757.4 | 750.7 |
| 50° | 760.7 | 744.2 | 731.0 | 717.9 | 711.3 | 701.3 | 688.2 | 681.6 | 675.1 | 668.5 | 668.5 |
| 52.5° | 665.2 | 648.7 | 635.5 | 625.7 | 619.1 | 612.4 | 602.6 | 599.3 | 592.7 | 592.7 | 589.4 |
| 55° | 576.3 | 566.3 | 553.2 | 540.0 | 536.8 | 533.5 | 526.9 | 520.2 | 516.9 | 513.7 | 516.9 |
| 57.5° | 500.5 | 490.7 | 477.4 | 467.6 | 464.3 | 461.0 | 457.7 | 451.1 | 447.9 | 447.9 | 447.9 |
| 60° | 431.3 | 421.5 | 411.6 | 401.8 | 401.8 | 395.2 | 391.9 | 388.6 | 385.2 | 381.9 | 381.9 |
| 62.5° | 368.8 | 358.9 | 349.1 | 342.4 | 339.1 | 335.8 | 329.3 | 326.0 | 322.7 | 322.7 | 319.4 |
| 65° | 312.8 | 299.7 | 296.3 | 286.4 | 283.2 | 279.9 | 276.6 | 270.0 | 266.7 | 263.5 | 260.2 |
| 67.5° | 256.9 | 250.2 | 240.3 | 233.8 | 230.5 | 227.2 | 223.9 | 217.4 | 214.1 | 210.8 | 204.1 |
| 70° | 207.5 | 200.8 | 194.2 | 187.7 | 184.4 | 181.1 | 174.5 | 168.0 | 164.7 | 158.0 | 148.1 |
| 72.5° | 161.4 | 154.7 | 148.1 | 141.6 | 138.3 | 135.0 | 128.4 | 121.9 | 115.3 | 108.6 | 102.1 |
| 75° | 121.9 | 115.3 | 105.3 | 98.8 | 95.5 | 95.5 | 85.6 | 79.1 | 72.5 | 62.5 | 56.0 |
| 77.5° | 85.6 | 75.8 | 72.5 | 65.8 | 62.5 | 56.0 | 49.4 | 42.8 | 36.2 | 33.0 | 26.4 |
| 80° | 56.0 | 49.4 | 42.8 | 39.5 | 36.2 | 33.0 | 29.7 | 23.1 | 16.4 | 13.1 | 9.9 |
| 82.5° | 33.0 | 29.7 | 26.4 | 23.1 | 19.7 | 16.4 | 13.1 | 13.1 | 9.9 | 6.6 | 3.3 |
| 85° | 16.4 | 13.1 | 9.9 | 9.9 | 6.6 | 6.6 | 6.6 | 3.3 | 3.3 | 3.3 | 3.3 |
| 87.5° | 6.6 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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° | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 |
| 2.5° | 2193.0 | 2189.8 | 2186.5 | 2183.2 | 2183.2 | 2176.6 | 2176.6 | 2173.3 | 2166.6 | 2163.4 | 2163.4 |
| 5° | 2173.3 | 2163.4 | 2156.8 | 2153.5 | 2150.2 | 2140.4 | 2137.1 | 2130.5 | 2124.0 | 2117.3 | 2114.0 |
| 7.5° | 2143.7 | 2127.2 | 2120.5 | 2117.3 | 2107.4 | 2097.6 | 2091.0 | 2081.1 | 2071.2 | 2061.3 | 2058.0 |
| 10° | 2107.4 | 2091.0 | 2074.5 | 2067.9 | 2058.0 | 2051.5 | 2038.3 | 2025.1 | 2015.2 | 2005.4 | 1995.5 |
| 12.5° | 2061.3 | 2041.6 | 2025.1 | 2018.5 | 2008.6 | 1995.5 | 1975.7 | 1969.1 | 1952.7 | 1946.1 | 1932.9 |
| 15° | 2008.6 | 1985.5 | 1969.1 | 1959.3 | 1949.4 | 1929.6 | 1916.4 | 1903.3 | 1886.8 | 1880.2 | 1867.1 |
| 17.5° | 1942.8 | 1916.4 | 1900.0 | 1890.1 | 1883.5 | 1867.1 | 1847.2 | 1830.8 | 1814.4 | 1807.8 | 1797.9 |
| 20° | 1863.8 | 1847.2 | 1824.2 | 1814.4 | 1807.8 | 1788.0 | 1768.3 | 1761.7 | 1748.5 | 1735.3 | 1725.5 |
| 22.5° | 1774.9 | 1758.4 | 1735.3 | 1725.5 | 1722.2 | 1705.7 | 1689.2 | 1679.4 | 1669.5 | 1659.6 | 1649.7 |
| 25° | 1682.7 | 1662.8 | 1643.1 | 1636.6 | 1630.0 | 1616.7 | 1603.6 | 1597.0 | 1587.2 | 1580.6 | 1573.9 |
| 27.5° | 1583.9 | 1564.1 | 1547.7 | 1537.8 | 1531.2 | 1521.3 | 1514.7 | 1508.1 | 1501.6 | 1495.0 | 1491.7 |
| 30° | 1478.4 | 1458.7 | 1445.6 | 1439.0 | 1432.4 | 1429.1 | 1419.2 | 1415.9 | 1412.6 | 1406.1 | 1409.4 |
| 32.5° | 1373.1 | 1356.7 | 1343.4 | 1333.6 | 1333.6 | 1327.0 | 1323.7 | 1323.7 | 1320.4 | 1320.4 | 1320.4 |
| 35° | 1257.9 | 1248.0 | 1238.1 | 1234.8 | 1231.5 | 1228.2 | 1225.0 | 1228.2 | 1225.0 | 1228.2 | 1231.5 |
| 37.5° | 1152.5 | 1142.6 | 1136.1 | 1132.8 | 1129.5 | 1132.8 | 1129.5 | 1129.5 | 1132.8 | 1139.3 | 1142.6 |
| 40° | 1043.9 | 1037.3 | 1030.7 | 1034.0 | 1030.7 | 1030.7 | 1030.7 | 1040.6 | 1043.9 | 1047.1 | 1050.4 |
| 42.5° | 941.8 | 935.1 | 931.8 | 931.8 | 935.1 | 931.8 | 938.5 | 941.8 | 948.4 | 958.2 | 964.8 |
| 45° | 842.9 | 839.6 | 839.6 | 842.9 | 839.6 | 846.3 | 846.3 | 852.9 | 862.7 | 869.3 | 875.9 |
| 47.5° | 750.7 | 750.7 | 750.7 | 754.1 | 754.1 | 757.4 | 764.0 | 767.3 | 773.8 | 780.4 | 787.0 |
| 50° | 665.2 | 668.5 | 671.8 | 671.8 | 671.8 | 678.3 | 684.9 | 688.2 | 691.5 | 694.8 | 704.6 |
| 52.5° | 589.4 | 592.7 | 592.7 | 596.0 | 599.3 | 602.6 | 605.9 | 612.4 | 615.7 | 622.4 | 625.7 |
| 55° | 516.9 | 516.9 | 523.5 | 526.9 | 526.9 | 526.9 | 533.5 | 533.5 | 540.0 | 543.3 | 549.9 |
| 57.5° | 447.9 | 451.1 | 451.1 | 454.4 | 454.4 | 457.7 | 461.0 | 464.3 | 467.6 | 470.8 | 474.1 |
| 60° | 381.9 | 381.9 | 381.9 | 385.2 | 388.6 | 391.9 | 388.6 | 395.2 | 395.2 | 401.8 | 405.0 |
| 62.5° | 319.4 | 322.7 | 322.7 | 322.7 | 322.7 | 322.7 | 322.7 | 326.0 | 329.3 | 332.5 | 335.8 |
| 65° | 260.2 | 260.2 | 260.2 | 256.9 | 260.2 | 256.9 | 260.2 | 263.5 | 263.5 | 266.7 | 270.0 |
| 67.5° | 200.8 | 200.8 | 194.2 | 194.2 | 197.5 | 197.5 | 197.5 | 197.5 | 194.2 | 200.8 | 200.8 |
| 70° | 144.9 | 141.6 | 138.3 | 135.0 | 135.0 | 131.7 | 131.7 | 128.4 | 128.4 | 128.4 | 128.4 |
| 72.5° | 95.5 | 88.9 | 82.3 | 79.1 | 75.8 | 75.8 | 69.2 | 65.8 | 69.2 | 69.2 | 69.2 |
| 75° | 49.4 | 42.8 | 39.5 | 36.2 | 33.0 | 33.0 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 |
| 77.5° | 19.7 | 16.4 | 13.1 | 13.1 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 | 9.9 |
| 80° | 6.6 | 6.6 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 82.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 85° | 3.3 | 0.0 | 0.0 | 3.3 | 0.0 | 3.3 | 3.3 | 3.3 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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: P584657

CATALOG NUMBER: HCC8S45D010SL-HM82555827-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 | 2202.9 |
| 2.5° | 2160.1 | 2160.1 | 2156.8 | 2160.1 | 2153.5 | 2156.8 | 2153.5 | 2153.5 |
| 5° | 2110.7 | 2104.1 | 2104.1 | 2104.1 | 2100.8 | 2100.8 | 2097.6 | 2097.6 |
| 7.5° | 2051.5 | 2048.2 | 2044.9 | 2041.6 | 2038.3 | 2035.0 | 2035.0 | 2035.0 |
| 10° | 1992.2 | 1985.5 | 1985.5 | 1982.3 | 1975.7 | 1972.4 | 1972.4 | 1972.4 |
| 12.5° | 1923.0 | 1919.7 | 1916.4 | 1916.4 | 1903.3 | 1906.6 | 1903.3 | 1903.3 |
| 15° | 1857.2 | 1853.9 | 1853.9 | 1844.0 | 1837.4 | 1837.4 | 1837.4 | 1834.1 |
| 17.5° | 1788.0 | 1784.7 | 1781.4 | 1774.9 | 1768.3 | 1768.3 | 1765.0 | 1768.3 |
| 20° | 1715.6 | 1712.2 | 1705.7 | 1705.7 | 1702.4 | 1699.1 | 1692.5 | 1695.8 |
| 22.5° | 1643.1 | 1636.6 | 1633.3 | 1633.3 | 1630.0 | 1630.0 | 1623.4 | 1623.4 |
| 25° | 1567.4 | 1564.1 | 1560.8 | 1564.1 | 1557.5 | 1557.5 | 1550.9 | 1550.9 |
| 27.5° | 1488.4 | 1485.1 | 1485.1 | 1485.1 | 1481.7 | 1485.1 | 1481.7 | 1481.7 |
| 30° | 1409.4 | 1409.4 | 1406.1 | 1406.1 | 1409.4 | 1406.1 | 1409.4 | 1412.6 |
| 32.5° | 1323.7 | 1323.7 | 1327.0 | 1327.0 | 1330.3 | 1330.3 | 1330.3 | 1330.3 |
| 35° | 1234.8 | 1241.4 | 1241.4 | 1244.7 | 1248.0 | 1251.2 | 1251.2 | 1254.5 |
| 37.5° | 1152.5 | 1155.8 | 1159.0 | 1162.3 | 1169.0 | 1169.0 | 1169.0 | 1169.0 |
| 40° | 1063.6 | 1066.8 | 1073.5 | 1070.1 | 1083.4 | 1086.7 | 1083.4 | 1083.4 |
| 42.5° | 971.4 | 977.9 | 981.2 | 987.9 | 991.2 | 997.8 | 1001.0 | 1001.0 |
| 45° | 885.7 | 889.0 | 895.7 | 902.3 | 905.6 | 915.4 | 915.4 | 915.4 |
| 47.5° | 796.8 | 803.5 | 806.8 | 813.4 | 816.6 | 826.5 | 829.8 | 826.5 |
| 50° | 711.3 | 717.9 | 724.4 | 724.4 | 734.3 | 737.6 | 744.2 | 747.4 |
| 52.5° | 629.0 | 632.2 | 638.8 | 642.1 | 648.7 | 655.2 | 658.5 | 661.8 |
| 55° | 549.9 | 553.2 | 559.8 | 559.8 | 569.6 | 573.0 | 579.6 | 579.6 |
| 57.5° | 477.4 | 480.8 | 487.4 | 484.1 | 490.7 | 497.2 | 497.2 | 494.0 |
| 60° | 408.3 | 408.3 | 408.3 | 414.9 | 418.2 | 421.5 | 424.7 | 424.7 |
| 62.5° | 335.8 | 342.4 | 345.8 | 345.8 | 349.1 | 352.4 | 352.4 | 349.1 |
| 65° | 270.0 | 276.6 | 279.9 | 279.9 | 283.2 | 283.2 | 283.2 | 286.4 |
| 67.5° | 204.1 | 204.1 | 204.1 | 207.5 | 204.1 | 204.1 | 204.1 | 204.1 |
| 70° | 128.4 | 128.4 | 128.4 | 128.4 | 125.2 | 128.4 | 128.4 | 131.7 |
| 72.5° | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| 75° | 29.7 | 29.7 | 29.7 | 33.0 | 29.7 | 29.7 | 29.7 | 29.7 |
| 77.5° | 13.1 | 9.9 | 13.1 | 13.1 | 9.9 | 9.9 | 9.9 | 9.9 |
| 80° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 82.5° | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 85° | 0.0 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)