

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: P584946

Luminaire Tested: **HCC8W55D010MB-HM82555830-81WWBB**

Issue Date: 10/21/2021

Test Information

Test Method: LM-41-14
Report Number: P584946
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: HCC8W55D010MB-HM82555830-81WWBB
Description: HALO COMMERCIAL 8" ROUND, NEW CONSTRUCTION FRAME, WITH 8" WALLWASH DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

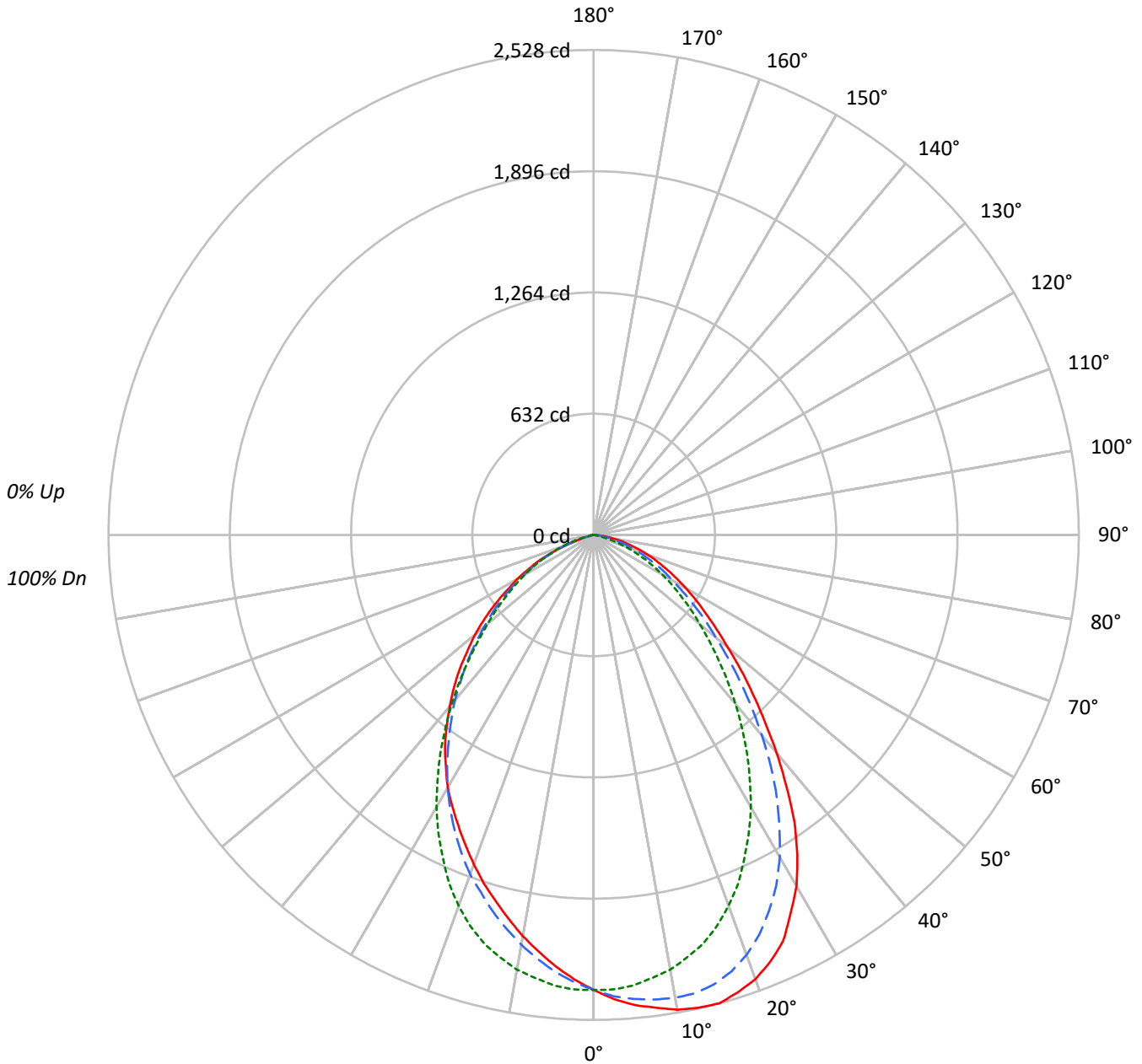
Lumens per Lamp: N/A
Luminaire Lumens: 4418.0 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.07 / 1.16
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P584946
CATALOG NUMBER: HCC8W55D010MB-HM82555830-81WWBB

Luminous Intensity Polar Plot





TEST NUMBER: P584946

CATALOG NUMBER: HCC8W55D010MB-HM82555830-81WWBB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|--|--|--|---|
| RF | 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° | 73138 | 73138 | 73138 |
| 5° | 76163 | 72977 | 69904 |
| 10° | 78706 | 72046 | 66497 |
| 15° | 80698 | 70399 | 63041 |
| 20° | 80857 | 67478 | 59917 |
| 25° | 79494 | 63207 | 56817 |
| 30° | 75237 | 58324 | 54154 |
| 35° | 68599 | 52450 | 50846 |
| 40° | 59656 | 46240 | 46952 |
| 45° | 51175 | 40046 | 42986 |
| 50° | 43708 | 34526 | 38609 |
| 55° | 38310 | 29735 | 33547 |
| 60° | 34111 | 25366 | 28203 |
| 65° | 30266 | 20693 | 22510 |
| 70° | 26849 | 15345 | 12785 |
| 75° | 22387 | 8030 | 3801 |
| 80° | 17634 | 2522 | 622 |
| 85° | 12560 | 1238 | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 223.5 | 5.1 |
| 10°-20° | 626.4 | 14.2 |
| 20°-30° | 886.6 | 20.1 |
| 30°-40° | 927.6 | 21.0 |
| 40°-50° | 773.7 | 17.5 |
| 50°-60° | 548.6 | 12.4 |
| 60°-70° | 316.0 | 7.2 |
| 70°-80° | 101.7 | 2.3 |
| 80°-90° | 14.0 | 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° | 1736.5 | 39.3 |
| 0°-40° | 2664.1 | 60.3 |
| 0°-60° | 3986.3 | 90.2 |
| 0°-90° | 4418.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4418.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 2372 | 2372 | 2372 | 2372 | 2372 | |
| 5° | 2460 | 2428 | 2358 | 2287 | 2258 | 236 |
| 15° | 2528 | 2425 | 2205 | 2031 | 1975 | 711 |
| 25° | 2336 | 2163 | 1858 | 1709 | 1670 | 1066 |
| 35° | 1822 | 1663 | 1393 | 1319 | 1351 | 1130 |
| 45° | 1174 | 1078 | 918 | 929 | 986 | 909 |
| 55° | 713 | 638 | 553 | 581 | 624 | 644 |
| 65° | 415 | 348 | 284 | 284 | 308 | 415 |
| 75° | 188 | 138 | 67 | 32 | 32 | 204 |
| 85° | 36 | 18 | 4 | 0 | 0 | 44 |
| 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° | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 |
| 2.5° | 2421.5 | 2418.0 | 2414.3 | 2418.0 | 2414.3 | 2418.0 | 2414.3 | 2414.3 | 2410.8 | 2407.3 | 2407.3 |
| 5° | 2460.5 | 2456.9 | 2456.9 | 2456.9 | 2453.3 | 2449.8 | 2449.8 | 2446.3 | 2439.2 | 2435.7 | 2428.5 |
| 7.5° | 2485.2 | 2488.9 | 2488.9 | 2488.9 | 2481.7 | 2481.7 | 2474.7 | 2467.5 | 2460.5 | 2453.3 | 2442.7 |
| 10° | 2513.6 | 2513.6 | 2510.1 | 2506.6 | 2499.4 | 2495.9 | 2492.4 | 2485.2 | 2474.7 | 2460.5 | 2449.8 |
| 12.5° | 2524.3 | 2524.3 | 2520.7 | 2513.6 | 2510.1 | 2506.6 | 2503.0 | 2492.4 | 2478.2 | 2460.5 | 2446.3 |
| 15° | 2527.8 | 2520.7 | 2517.2 | 2513.6 | 2506.6 | 2495.9 | 2495.9 | 2481.7 | 2464.0 | 2442.7 | 2425.0 |
| 17.5° | 2499.4 | 2503.0 | 2495.9 | 2488.9 | 2478.2 | 2471.0 | 2460.5 | 2449.8 | 2428.5 | 2403.8 | 2386.0 |
| 20° | 2464.0 | 2460.5 | 2456.9 | 2446.3 | 2432.1 | 2428.5 | 2418.0 | 2400.1 | 2382.4 | 2354.1 | 2329.2 |
| 22.5° | 2407.3 | 2403.8 | 2396.6 | 2389.6 | 2375.4 | 2368.3 | 2357.6 | 2336.4 | 2311.5 | 2283.2 | 2254.8 |
| 25° | 2336.4 | 2329.2 | 2318.7 | 2304.5 | 2293.8 | 2286.7 | 2272.5 | 2251.3 | 2222.9 | 2191.1 | 2162.7 |
| 27.5° | 2222.9 | 2233.6 | 2226.4 | 2205.2 | 2194.6 | 2180.4 | 2176.9 | 2148.5 | 2123.7 | 2091.8 | 2059.8 |
| 30° | 2113.0 | 2113.0 | 2102.3 | 2091.8 | 2074.0 | 2063.4 | 2049.2 | 2027.9 | 2003.1 | 1964.2 | 1939.3 |
| 32.5° | 1974.7 | 1971.2 | 1957.0 | 1953.5 | 1939.3 | 1918.0 | 1914.5 | 1886.1 | 1861.3 | 1832.9 | 1801.0 |
| 35° | 1822.3 | 1815.2 | 1801.0 | 1790.3 | 1783.3 | 1772.6 | 1762.0 | 1737.3 | 1712.4 | 1684.0 | 1662.7 |
| 37.5° | 1648.5 | 1648.5 | 1645.0 | 1627.3 | 1620.2 | 1613.1 | 1602.5 | 1577.6 | 1563.4 | 1535.1 | 1513.9 |
| 40° | 1482.0 | 1478.4 | 1467.8 | 1464.2 | 1457.1 | 1446.5 | 1439.5 | 1425.3 | 1403.9 | 1382.7 | 1361.4 |
| 42.5° | 1318.9 | 1322.4 | 1308.2 | 1311.8 | 1297.6 | 1290.5 | 1287.0 | 1265.6 | 1255.1 | 1233.8 | 1216.1 |
| 45° | 1173.5 | 1170.0 | 1162.9 | 1159.3 | 1152.2 | 1145.2 | 1138.0 | 1127.5 | 1109.6 | 1088.4 | 1077.8 |
| 47.5° | 1038.7 | 1028.2 | 1028.2 | 1024.6 | 1021.0 | 1006.9 | 1003.3 | 992.7 | 982.0 | 960.8 | 946.6 |
| 50° | 911.1 | 911.1 | 911.1 | 907.6 | 896.9 | 893.4 | 886.4 | 875.7 | 865.1 | 850.9 | 829.7 |
| 52.5° | 808.3 | 808.3 | 808.3 | 804.8 | 790.6 | 787.1 | 783.5 | 769.3 | 755.1 | 744.6 | 730.4 |
| 55° | 712.6 | 716.2 | 712.6 | 705.5 | 694.9 | 694.9 | 684.2 | 677.2 | 663.0 | 652.3 | 638.2 |
| 57.5° | 631.1 | 631.1 | 624.0 | 620.5 | 613.3 | 609.8 | 602.8 | 595.6 | 577.9 | 567.2 | 549.6 |
| 60° | 553.1 | 549.6 | 549.6 | 542.4 | 535.4 | 528.2 | 524.7 | 514.0 | 507.0 | 489.3 | 475.1 |
| 62.5° | 482.2 | 482.2 | 475.1 | 475.1 | 460.9 | 460.9 | 457.3 | 446.8 | 436.1 | 418.4 | 411.3 |
| 65° | 414.8 | 414.8 | 411.3 | 407.7 | 397.1 | 393.6 | 390.0 | 379.4 | 368.7 | 358.0 | 347.5 |
| 67.5° | 354.5 | 354.5 | 347.5 | 343.9 | 336.8 | 333.3 | 326.2 | 319.1 | 308.5 | 297.8 | 287.1 |
| 70° | 297.8 | 294.3 | 290.8 | 287.1 | 280.1 | 276.6 | 269.4 | 262.4 | 251.7 | 244.6 | 234.0 |
| 72.5° | 241.1 | 241.1 | 237.6 | 230.4 | 226.9 | 223.4 | 219.9 | 212.7 | 202.1 | 191.5 | 184.4 |
| 75° | 187.9 | 187.9 | 187.9 | 180.8 | 173.7 | 170.2 | 170.2 | 163.1 | 156.0 | 145.3 | 138.3 |
| 77.5° | 145.3 | 141.8 | 138.3 | 138.3 | 131.1 | 127.6 | 124.1 | 120.6 | 109.9 | 106.4 | 99.3 |
| 80° | 99.3 | 102.8 | 99.3 | 95.8 | 92.2 | 88.6 | 88.6 | 81.6 | 78.1 | 70.9 | 63.9 |
| 82.5° | 67.4 | 63.9 | 63.9 | 60.2 | 60.2 | 56.7 | 56.7 | 49.7 | 46.1 | 42.5 | 39.0 |
| 85° | 35.5 | 35.5 | 31.9 | 31.9 | 31.9 | 28.4 | 28.4 | 24.8 | 24.8 | 21.3 | 17.7 |
| 87.5° | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 7.1 | 7.1 | 7.1 |
| 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° | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 |
| 2.5° | 2403.8 | 2396.6 | 2393.1 | 2393.1 | 2389.6 | 2386.0 | 2382.4 | 2378.9 | 2371.8 | 2371.8 | 2364.7 |
| 5° | 2421.5 | 2414.3 | 2410.8 | 2400.1 | 2393.1 | 2393.1 | 2378.9 | 2375.4 | 2364.7 | 2357.6 | 2350.6 |
| 7.5° | 2435.7 | 2421.5 | 2410.8 | 2400.1 | 2393.1 | 2386.0 | 2371.8 | 2357.6 | 2343.4 | 2329.2 | 2322.2 |
| 10° | 2435.7 | 2421.5 | 2403.8 | 2386.0 | 2378.9 | 2371.8 | 2354.1 | 2332.9 | 2315.1 | 2300.9 | 2283.2 |
| 12.5° | 2428.5 | 2407.3 | 2386.0 | 2371.8 | 2357.6 | 2347.0 | 2325.7 | 2304.5 | 2283.2 | 2254.8 | 2240.6 |
| 15° | 2407.3 | 2378.9 | 2357.6 | 2332.9 | 2322.2 | 2304.5 | 2286.7 | 2254.8 | 2230.0 | 2205.2 | 2187.4 |
| 17.5° | 2364.7 | 2329.2 | 2304.5 | 2279.7 | 2262.0 | 2251.3 | 2222.9 | 2194.6 | 2166.2 | 2137.8 | 2116.5 |
| 20° | 2300.9 | 2269.0 | 2240.6 | 2208.8 | 2194.6 | 2180.4 | 2144.9 | 2116.5 | 2088.2 | 2056.3 | 2035.1 |
| 22.5° | 2222.9 | 2191.1 | 2152.0 | 2127.2 | 2106.0 | 2088.2 | 2056.3 | 2024.4 | 1996.0 | 1967.7 | 1939.3 |
| 25° | 2127.2 | 2095.3 | 2059.8 | 2020.9 | 2006.7 | 1988.9 | 1953.5 | 1921.6 | 1889.6 | 1857.7 | 1832.9 |
| 27.5° | 2024.4 | 1981.9 | 1953.5 | 1910.9 | 1896.8 | 1879.1 | 1840.0 | 1804.5 | 1776.2 | 1751.4 | 1723.1 |
| 30° | 1900.3 | 1868.4 | 1829.4 | 1790.3 | 1776.2 | 1758.5 | 1726.6 | 1694.7 | 1666.3 | 1638.0 | 1609.6 |
| 32.5° | 1765.6 | 1733.6 | 1694.7 | 1666.3 | 1645.0 | 1630.8 | 1599.0 | 1570.6 | 1542.2 | 1513.9 | 1489.0 |
| 35° | 1623.8 | 1588.3 | 1559.9 | 1531.6 | 1513.9 | 1496.2 | 1464.2 | 1439.5 | 1418.1 | 1393.3 | 1368.5 |
| 37.5° | 1478.4 | 1453.6 | 1425.3 | 1393.3 | 1375.6 | 1361.4 | 1336.5 | 1308.2 | 1290.5 | 1269.3 | 1251.5 |
| 40° | 1336.5 | 1308.2 | 1283.5 | 1255.1 | 1240.9 | 1230.2 | 1205.4 | 1184.2 | 1166.4 | 1148.7 | 1138.0 |
| 42.5° | 1191.2 | 1166.4 | 1141.6 | 1123.8 | 1113.3 | 1102.6 | 1084.9 | 1060.1 | 1049.4 | 1031.7 | 1021.0 |
| 45° | 1056.6 | 1035.2 | 1017.5 | 992.7 | 985.7 | 978.5 | 957.3 | 939.5 | 928.9 | 918.3 | 911.1 |
| 47.5° | 928.9 | 914.7 | 893.4 | 879.2 | 868.6 | 861.5 | 847.4 | 833.2 | 822.5 | 815.5 | 808.3 |
| 50° | 819.0 | 801.3 | 787.1 | 772.9 | 765.8 | 755.1 | 740.9 | 733.9 | 726.8 | 719.7 | 719.7 |
| 52.5° | 716.2 | 698.4 | 684.2 | 673.7 | 666.5 | 659.5 | 648.8 | 645.3 | 638.2 | 638.2 | 634.6 |
| 55° | 620.5 | 609.8 | 595.6 | 581.4 | 577.9 | 574.4 | 567.2 | 560.2 | 556.6 | 553.1 | 556.6 |
| 57.5° | 538.9 | 528.2 | 514.0 | 503.5 | 499.9 | 496.3 | 492.8 | 485.7 | 482.2 | 482.2 | 482.2 |
| 60° | 464.5 | 453.8 | 443.1 | 432.6 | 432.6 | 425.4 | 421.9 | 418.4 | 414.8 | 411.3 | 411.3 |
| 62.5° | 397.1 | 386.4 | 375.9 | 368.7 | 365.2 | 361.7 | 354.5 | 351.0 | 347.5 | 347.5 | 343.9 |
| 65° | 336.8 | 322.7 | 319.1 | 308.5 | 305.0 | 301.3 | 297.8 | 290.8 | 287.1 | 283.6 | 280.1 |
| 67.5° | 276.6 | 269.4 | 258.8 | 251.7 | 248.2 | 244.6 | 241.1 | 234.0 | 230.4 | 226.9 | 219.9 |
| 70° | 223.4 | 216.2 | 209.2 | 202.1 | 198.5 | 195.0 | 187.9 | 180.8 | 177.3 | 170.2 | 159.5 |
| 72.5° | 173.7 | 166.7 | 159.5 | 152.5 | 149.0 | 145.3 | 138.3 | 131.1 | 124.1 | 117.0 | 109.9 |
| 75° | 131.1 | 124.1 | 113.4 | 106.4 | 102.8 | 102.8 | 92.2 | 85.1 | 78.1 | 67.4 | 60.2 |
| 77.5° | 92.2 | 81.6 | 78.1 | 70.9 | 67.4 | 60.2 | 53.2 | 46.1 | 39.0 | 35.5 | 28.4 |
| 80° | 60.2 | 53.2 | 46.1 | 42.5 | 39.0 | 35.5 | 31.9 | 24.8 | 17.7 | 14.2 | 10.7 |
| 82.5° | 35.5 | 31.9 | 28.4 | 24.8 | 21.3 | 17.7 | 14.2 | 14.2 | 10.7 | 7.1 | 3.5 |
| 85° | 17.7 | 14.2 | 10.7 | 10.7 | 7.1 | 7.1 | 7.1 | 3.5 | 3.5 | 3.5 | 3.5 |
| 87.5° | 7.1 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 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° | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 |
| 2.5° | 2361.2 | 2357.6 | 2354.1 | 2350.6 | 2350.6 | 2343.4 | 2343.4 | 2339.9 | 2332.9 | 2329.2 | 2329.2 |
| 5° | 2339.9 | 2329.2 | 2322.2 | 2318.7 | 2315.1 | 2304.5 | 2300.9 | 2293.8 | 2286.7 | 2279.7 | 2276.1 |
| 7.5° | 2308.0 | 2290.3 | 2283.2 | 2279.7 | 2269.0 | 2258.3 | 2251.3 | 2240.6 | 2230.0 | 2219.4 | 2215.8 |
| 10° | 2269.0 | 2251.3 | 2233.6 | 2226.4 | 2215.8 | 2208.8 | 2194.6 | 2180.4 | 2169.7 | 2159.1 | 2148.5 |
| 12.5° | 2219.4 | 2198.1 | 2180.4 | 2173.2 | 2162.7 | 2148.5 | 2127.2 | 2120.1 | 2102.3 | 2095.3 | 2081.1 |
| 15° | 2162.7 | 2137.8 | 2120.1 | 2109.5 | 2098.8 | 2077.6 | 2063.4 | 2049.2 | 2031.4 | 2024.4 | 2010.2 |
| 17.5° | 2091.8 | 2063.4 | 2045.6 | 2035.1 | 2027.9 | 2010.2 | 1988.9 | 1971.2 | 1953.5 | 1946.3 | 1935.8 |
| 20° | 2006.7 | 1988.9 | 1964.2 | 1953.5 | 1946.3 | 1925.1 | 1903.8 | 1896.8 | 1882.6 | 1868.4 | 1857.7 |
| 22.5° | 1910.9 | 1893.2 | 1868.4 | 1857.7 | 1854.2 | 1836.5 | 1818.7 | 1808.2 | 1797.5 | 1786.8 | 1776.2 |
| 25° | 1811.7 | 1790.3 | 1769.1 | 1762.0 | 1755.0 | 1740.8 | 1726.6 | 1719.4 | 1708.9 | 1701.7 | 1694.7 |
| 27.5° | 1705.3 | 1684.0 | 1666.3 | 1655.7 | 1648.5 | 1638.0 | 1630.8 | 1623.8 | 1616.7 | 1609.6 | 1606.0 |
| 30° | 1591.8 | 1570.6 | 1556.4 | 1549.3 | 1542.2 | 1538.7 | 1528.1 | 1524.5 | 1520.9 | 1513.9 | 1517.4 |
| 32.5° | 1478.4 | 1460.7 | 1446.5 | 1435.8 | 1435.8 | 1428.8 | 1425.3 | 1425.3 | 1421.6 | 1421.6 | 1421.6 |
| 35° | 1354.4 | 1343.7 | 1333.0 | 1329.5 | 1326.0 | 1322.4 | 1318.9 | 1322.4 | 1318.9 | 1322.4 | 1326.0 |
| 37.5° | 1240.9 | 1230.2 | 1223.1 | 1219.6 | 1216.1 | 1219.6 | 1216.1 | 1216.1 | 1219.6 | 1226.7 | 1230.2 |
| 40° | 1123.8 | 1116.8 | 1109.6 | 1113.3 | 1109.6 | 1109.6 | 1109.6 | 1120.3 | 1123.8 | 1127.5 | 1131.0 |
| 42.5° | 1014.0 | 1006.9 | 1003.3 | 1003.3 | 1006.9 | 1003.3 | 1010.4 | 1014.0 | 1021.0 | 1031.7 | 1038.7 |
| 45° | 907.6 | 904.1 | 904.1 | 907.6 | 904.1 | 911.1 | 911.1 | 918.3 | 928.9 | 936.0 | 943.1 |
| 47.5° | 808.3 | 808.3 | 808.3 | 811.8 | 811.8 | 815.5 | 822.5 | 826.0 | 833.2 | 840.2 | 847.4 |
| 50° | 716.2 | 719.7 | 723.2 | 723.2 | 723.2 | 730.4 | 737.4 | 740.9 | 744.6 | 748.1 | 758.8 |
| 52.5° | 634.6 | 638.2 | 638.2 | 641.7 | 645.3 | 648.8 | 652.3 | 659.5 | 663.0 | 670.0 | 673.7 |
| 55° | 556.6 | 556.6 | 563.7 | 567.2 | 567.2 | 567.2 | 574.4 | 574.4 | 581.4 | 584.9 | 592.1 |
| 57.5° | 482.2 | 485.7 | 485.7 | 489.3 | 489.3 | 492.8 | 496.3 | 499.9 | 503.5 | 507.0 | 510.5 |
| 60° | 411.3 | 411.3 | 411.3 | 414.8 | 418.4 | 421.9 | 418.4 | 425.4 | 425.4 | 432.6 | 436.1 |
| 62.5° | 343.9 | 347.5 | 347.5 | 347.5 | 347.5 | 347.5 | 347.5 | 351.0 | 354.5 | 358.0 | 361.7 |
| 65° | 280.1 | 280.1 | 280.1 | 276.6 | 280.1 | 276.6 | 280.1 | 283.6 | 283.6 | 287.1 | 290.8 |
| 67.5° | 216.2 | 216.2 | 209.2 | 209.2 | 212.7 | 212.7 | 212.7 | 212.7 | 209.2 | 216.2 | 216.2 |
| 70° | 156.0 | 152.5 | 149.0 | 145.3 | 145.3 | 141.8 | 141.8 | 138.3 | 138.3 | 138.3 | 138.3 |
| 72.5° | 102.8 | 95.8 | 88.6 | 85.1 | 81.6 | 81.6 | 74.4 | 70.9 | 74.4 | 74.4 | 74.4 |
| 75° | 53.2 | 46.1 | 42.5 | 39.0 | 35.5 | 35.5 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| 77.5° | 21.3 | 17.7 | 14.2 | 14.2 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 | 10.7 |
| 80° | 7.1 | 7.1 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 82.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 85° | 3.5 | 0.0 | 0.0 | 3.5 | 0.0 | 3.5 | 3.5 | 3.5 | 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: P584946

CATALOG NUMBER: HCC8W55D010MB-HM82555830-81WWBB

CANDELA DISTRIBUTION (continued):

| | 150° | 155° | 157.5° | 160° | 165° | 170° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 | 2371.8 |
| 2.5° | 2325.7 | 2325.7 | 2322.2 | 2325.7 | 2318.7 | 2322.2 | 2318.7 | 2318.7 |
| 5° | 2272.5 | 2265.5 | 2265.5 | 2265.5 | 2262.0 | 2262.0 | 2258.3 | 2258.3 |
| 7.5° | 2208.8 | 2205.2 | 2201.6 | 2198.1 | 2194.6 | 2191.1 | 2191.1 | 2191.1 |
| 10° | 2144.9 | 2137.8 | 2137.8 | 2134.3 | 2127.2 | 2123.7 | 2123.7 | 2123.7 |
| 12.5° | 2070.5 | 2066.9 | 2063.4 | 2063.4 | 2049.2 | 2052.8 | 2049.2 | 2049.2 |
| 15° | 1999.5 | 1996.0 | 1996.0 | 1985.4 | 1978.3 | 1978.3 | 1978.3 | 1974.7 |
| 17.5° | 1925.1 | 1921.6 | 1918.0 | 1910.9 | 1903.8 | 1903.8 | 1900.3 | 1903.8 |
| 20° | 1847.1 | 1843.6 | 1836.5 | 1836.5 | 1832.9 | 1829.4 | 1822.3 | 1825.9 |
| 22.5° | 1769.1 | 1762.0 | 1758.5 | 1758.5 | 1755.0 | 1755.0 | 1747.8 | 1747.8 |
| 25° | 1687.6 | 1684.0 | 1680.5 | 1684.0 | 1676.9 | 1676.9 | 1669.9 | 1669.9 |
| 27.5° | 1602.5 | 1599.0 | 1599.0 | 1599.0 | 1595.4 | 1599.0 | 1595.4 | 1595.4 |
| 30° | 1517.4 | 1517.4 | 1513.9 | 1513.9 | 1517.4 | 1513.9 | 1517.4 | 1520.9 |
| 32.5° | 1425.3 | 1425.3 | 1428.8 | 1428.8 | 1432.3 | 1432.3 | 1432.3 | 1432.3 |
| 35° | 1329.5 | 1336.5 | 1336.5 | 1340.2 | 1343.7 | 1347.2 | 1347.2 | 1350.7 |
| 37.5° | 1240.9 | 1244.4 | 1247.9 | 1251.5 | 1258.6 | 1258.6 | 1258.6 | 1258.6 |
| 40° | 1145.2 | 1148.7 | 1155.8 | 1152.2 | 1166.4 | 1170.0 | 1166.4 | 1166.4 |
| 42.5° | 1045.9 | 1052.9 | 1056.6 | 1063.6 | 1067.1 | 1074.3 | 1077.8 | 1077.8 |
| 45° | 953.7 | 957.3 | 964.3 | 971.5 | 975.0 | 985.7 | 985.7 | 985.7 |
| 47.5° | 858.0 | 865.1 | 868.6 | 875.7 | 879.2 | 889.9 | 893.4 | 889.9 |
| 50° | 765.8 | 772.9 | 780.0 | 780.0 | 790.6 | 794.1 | 801.3 | 804.8 |
| 52.5° | 677.2 | 680.7 | 687.8 | 691.4 | 698.4 | 705.5 | 709.1 | 712.6 |
| 55° | 592.1 | 595.6 | 602.8 | 602.8 | 613.3 | 616.9 | 624.0 | 624.0 |
| 57.5° | 514.0 | 517.7 | 524.7 | 521.2 | 528.2 | 535.4 | 535.4 | 531.9 |
| 60° | 439.6 | 439.6 | 439.6 | 446.8 | 450.3 | 453.8 | 457.3 | 457.3 |
| 62.5° | 361.7 | 368.7 | 372.2 | 372.2 | 375.9 | 379.4 | 379.4 | 375.9 |
| 65° | 290.8 | 297.8 | 301.3 | 301.3 | 305.0 | 305.0 | 305.0 | 308.5 |
| 67.5° | 219.9 | 219.9 | 219.9 | 223.4 | 219.9 | 219.9 | 219.9 | 219.9 |
| 70° | 138.3 | 138.3 | 138.3 | 138.3 | 134.8 | 138.3 | 138.3 | 141.8 |
| 72.5° | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 75° | 31.9 | 31.9 | 31.9 | 35.5 | 31.9 | 31.9 | 31.9 | 31.9 |
| 77.5° | 14.2 | 10.7 | 14.2 | 14.2 | 10.7 | 10.7 | 10.7 | 10.7 |
| 80° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 82.5° | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 |
| 85° | 0.0 | 3.5 | 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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— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)