

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: io LED

Report Number: P1191670

Luminaire Tested: **LDA4A20940D010TE LAR35FL 4LLWW1**

Issue Date: 3/3/2020

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14  
Report Number: P1191670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26103)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA4A20940D010TE LAR35FL 4LLWW1  
Description: PORTFOLIO 4" Lensed Wall Wash, Self-flanged, 35° Flood Optic, at 30° tilt  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

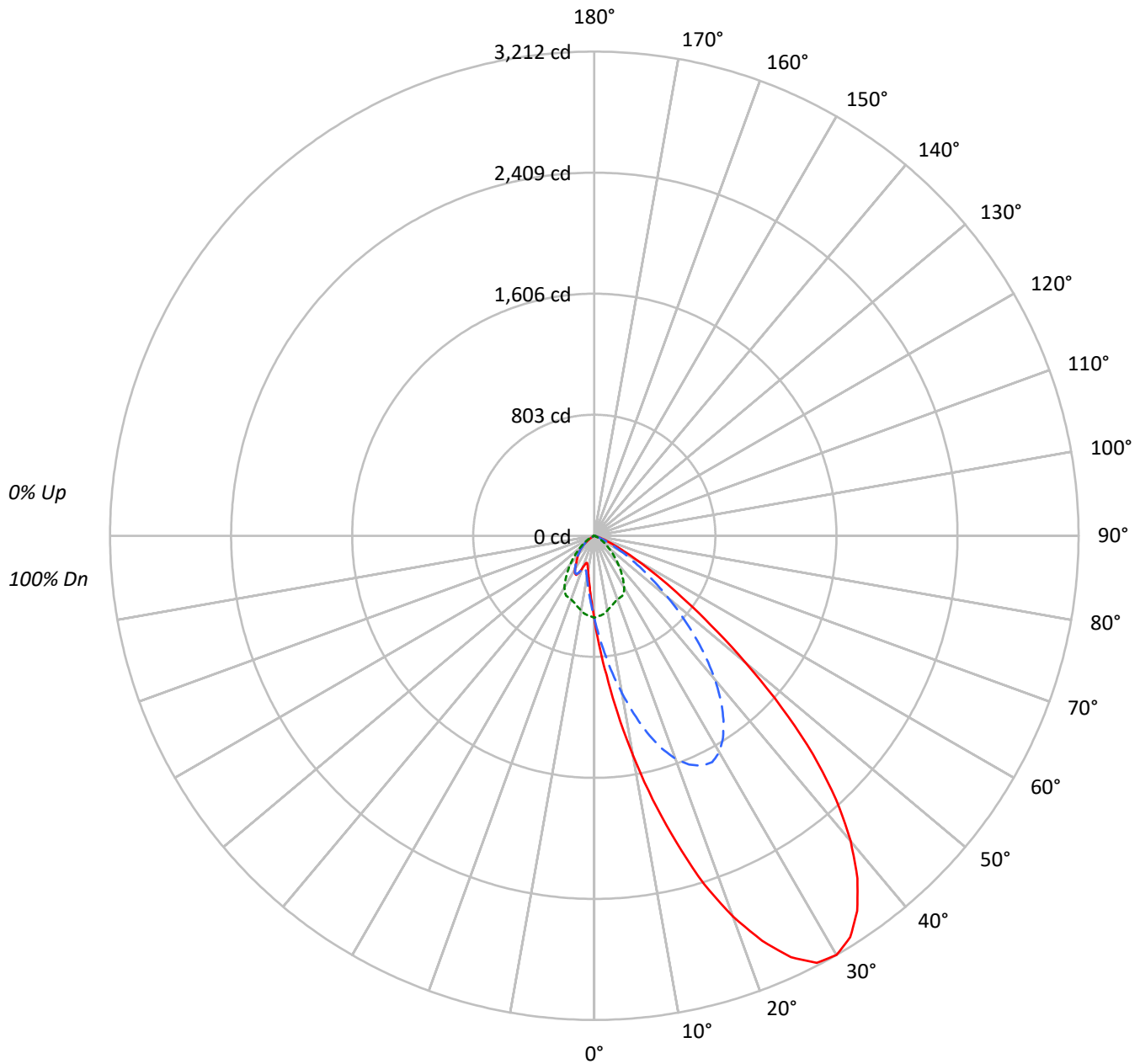
Lumens per Lamp: N/A  
Luminaire Lumens: 2039.1 lumens  
Efficiency: N/A  
Efficacy: 70.8 lumens/watt  
Spacing Criteria (0/90/45): 2.19 / 1.11 / 1.55  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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

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### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98  |  | 98  | 96  | 95  |  | 95  |
| 2   | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  |  | 89  | 86  | 83  |  | 87  |
| 3   | 97  | 88  | 82  | 76  | 94  | 87  | 81  | 76  | 84  | 79  | 74  |  | 81  | 77  | 73  |  | 79  |
| 4   | 90  | 80  | 72  | 67  | 87  | 78  | 72  | 66  | 76  | 70  | 66  |  | 74  | 69  | 65  |  | 72  |
| 5   | 83  | 72  | 64  | 59  | 81  | 71  | 64  | 59  | 69  | 63  | 58  |  | 67  | 62  | 57  |  | 65  |
| 6   | 77  | 65  | 58  | 52  | 75  | 65  | 57  | 52  | 63  | 56  | 52  |  | 61  | 56  | 51  |  | 60  |
| 7   | 72  | 60  | 52  | 46  | 70  | 59  | 52  | 46  | 57  | 51  | 46  |  | 56  | 50  | 46  |  | 55  |
| 8   | 67  | 55  | 47  | 42  | 65  | 54  | 47  | 42  | 53  | 46  | 41  |  | 52  | 46  | 41  |  | 50  |
| 9   | 62  | 50  | 43  | 38  | 61  | 50  | 42  | 37  | 49  | 42  | 37  |  | 47  | 41  | 37  |  | 47  |
| 10  | 58  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  |  | 44  | 38  | 34  |  | 43  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 90°   | 180°  |
|-----|--------|-------|-------|
| 0°  | 67149  | 67149 | 67149 |
| 5°  | 114617 | 65524 | 42791 |
| 10° | 185255 | 62937 | 29233 |
| 15° | 269159 | 60413 | 23777 |
| 20° | 352490 | 59094 | 29626 |
| 25° | 419818 | 59869 | 39033 |
| 30° | 457491 | 56487 | 36319 |
| 35° | 457544 | 48185 | 30718 |
| 40° | 425824 | 39819 | 26696 |
| 45° | 357683 | 31137 | 22904 |
| 50° | 251052 | 23257 | 16886 |
| 55° | 151092 | 16731 | 9312  |
| 60° | 83382  | 10682 | 3454  |
| 65° | 40189  | 5195  | 379   |
| 70° | 16084  | 1839  | 469   |
| 75° | 4813   | 1239  | 0     |
| 80° | 1847   | 1847  | 0     |
| 85° | 5378   | 3680  | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.4   | 2.9       |
| 10°-20°   | 231.5  | 11.4      |
| 20°-30°   | 469.4  | 23.0      |
| 30°-40°   | 570.3  | 28.0      |
| 40°-50°   | 450.0  | 22.1      |
| 50°-60°   | 203.9  | 10.0      |
| 60°-70°   | 48.1   | 2.4       |
| 70°-80°   | 5.2    | 0.3       |
| 80°-90°   | 2.3    | 0.1       |
| 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°    | 759.3  | 37.2      |
| 0°-40°    | 1329.6 | 65.2      |
| 0°-60°    | 1983.5 | 97.3      |
| 0°-90°    | 2039.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2039.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 544  | 544  | 544 | 544  | 544  |      |
| 5°  | 926  | 779  | 529 | 388  | 346  | 106  |
| 15° | 2108 | 1350 | 473 | 224  | 186  | 613  |
| 25° | 3085 | 1684 | 440 | 280  | 287  | 1412 |
| 35° | 3039 | 1493 | 320 | 208  | 204  | 1876 |
| 45° | 2050 | 942  | 178 | 130  | 131  | 1551 |
| 55° | 703  | 385  | 78  | 52   | 43   | 663  |
| 65° | 138  | 82   | 18  | 4    | 1    | 155  |
| 75° | 10   | 5    | 3   | 1    | 0    | 16   |
| 85° | 4    | 4    | 3   | 1    | 0    | 3    |
| 90° | 0    | 0    | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5°  | 25°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  |
| 2.5°  | 723.0  | 705.2  | 705.2  | 692.4  | 702.6  | 682.1  | 686.1  | 684.8  | 697.5  | 693.7  | 682.1  |
| 5°    | 925.7  | 910.5  | 909.2  | 892.5  | 905.3  | 878.6  | 879.8  | 876.0  | 890.1  | 876.0  | 859.4  |
| 7.5°  | 1187.2 | 1160.4 | 1159.1 | 1140.0 | 1152.7 | 1118.3 | 1117.0 | 1109.4 | 1122.2 | 1095.4 | 1071.1 |
| 10°   | 1479.1 | 1440.9 | 1438.4 | 1415.4 | 1429.5 | 1384.9 | 1380.9 | 1368.2 | 1377.2 | 1335.0 | 1300.6 |
| 12.5° | 1791.6 | 1749.5 | 1744.4 | 1720.2 | 1733.0 | 1679.4 | 1669.1 | 1652.6 | 1656.4 | 1595.3 | 1549.3 |
| 15°   | 2107.8 | 2072.1 | 2067.0 | 2041.5 | 2054.3 | 1987.9 | 1971.4 | 1951.0 | 1947.1 | 1865.6 | 1806.9 |
| 17.5° | 2422.8 | 2350.1 | 2373.1 | 2347.5 | 2359.1 | 2281.3 | 2259.6 | 2234.1 | 2220.1 | 2119.3 | 2045.3 |
| 20°   | 2685.4 | 2623.0 | 2639.5 | 2616.7 | 2626.8 | 2537.6 | 2510.8 | 2479.0 | 2454.6 | 2333.6 | 2248.1 |
| 22.5° | 2907.3 | 2842.3 | 2833.4 | 2833.4 | 2839.8 | 2742.8 | 2707.2 | 2671.4 | 2636.9 | 2492.9 | 2406.3 |
| 25°   | 3084.7 | 3013.1 | 3003.0 | 3000.4 | 3001.7 | 2899.7 | 2857.6 | 2818.1 | 2773.5 | 2615.4 | 2521.0 |
| 27.5° | 3194.3 | 3119.0 | 3107.5 | 3106.2 | 3099.9 | 2995.3 | 2948.1 | 2904.8 | 2851.2 | 2689.4 | 2583.5 |
| 30°   | 3212.1 | 3143.3 | 3130.6 | 3130.6 | 3113.9 | 3012.0 | 2959.7 | 2913.6 | 2853.8 | 2690.5 | 2577.1 |
| 32.5° | 3158.5 | 3088.4 | 3074.4 | 3075.7 | 3048.9 | 2953.2 | 2897.1 | 2849.9 | 2787.5 | 2626.8 | 2509.5 |
| 35°   | 3038.6 | 2971.1 | 2958.4 | 2959.7 | 2926.5 | 2837.2 | 2778.5 | 2732.6 | 2666.3 | 2513.3 | 2393.4 |
| 37.5° | 2866.6 | 2802.7 | 2790.0 | 2792.6 | 2751.8 | 2671.4 | 2611.4 | 2568.2 | 2500.5 | 2359.1 | 2241.8 |
| 40°   | 2644.6 | 2583.5 | 2571.9 | 2573.2 | 2528.6 | 2458.5 | 2399.9 | 2359.1 | 2291.4 | 2165.2 | 2053.0 |
| 42.5° | 2375.6 | 2316.9 | 2308.0 | 2306.8 | 2263.4 | 2199.6 | 2142.3 | 2107.8 | 2038.9 | 1938.3 | 1831.1 |
| 45°   | 2050.5 | 2000.7 | 1961.2 | 1987.9 | 1943.3 | 1892.4 | 1838.8 | 1810.7 | 1745.7 | 1674.3 | 1578.6 |
| 47.5° | 1684.4 | 1641.2 | 1601.6 | 1627.1 | 1586.3 | 1548.0 | 1500.8 | 1483.0 | 1424.4 | 1387.3 | 1307.0 |
| 50°   | 1308.3 | 1271.3 | 1235.6 | 1257.3 | 1225.4 | 1199.9 | 1162.9 | 1154.0 | 1105.5 | 1100.5 | 1037.9 |
| 52.5° | 971.6  | 944.8  | 916.9  | 933.4  | 909.2  | 892.5  | 864.6  | 862.0  | 825.1  | 837.8  | 794.4  |
| 55°   | 702.6  | 683.5  | 661.7  | 674.6  | 656.7  | 646.5  | 626.1  | 627.4  | 599.3  | 618.4  | 587.9  |
| 57.5° | 497.2  | 482.0  | 466.7  | 474.4  | 462.9  | 455.2  | 441.2  | 443.8  | 437.4  | 443.8  | 422.1  |
| 60°   | 338.0  | 329.0  | 317.5  | 323.9  | 313.6  | 309.9  | 300.9  | 302.2  | 286.8  | 307.3  | 292.1  |
| 62.5° | 221.8  | 215.5  | 215.5  | 211.7  | 204.0  | 201.4  | 196.3  | 196.3  | 187.5  | 202.7  | 192.6  |
| 65°   | 137.7  | 135.1  | 133.9  | 131.3  | 126.3  | 125.0  | 121.2  | 121.2  | 114.8  | 126.3  | 118.6  |
| 67.5° | 81.7   | 80.4   | 79.1   | 77.8   | 74.0   | 72.7   | 71.4   | 70.1   | 66.3   | 74.0   | 68.9   |
| 70°   | 44.6   | 44.6   | 43.3   | 42.1   | 39.5   | 39.5   | 38.2   | 38.2   | 35.8   | 39.5   | 35.8   |
| 72.5° | 21.7   | 21.7   | 20.4   | 20.4   | 19.1   | 19.1   | 17.8   | 17.8   | 16.5   | 19.1   | 16.5   |
| 75°   | 10.1   | 10.1   | 9.0    | 9.0    | 9.0    | 9.0    | 7.7    | 7.7    | 7.7    | 9.0    | 7.7    |
| 77.5° | 5.1    | 5.1    | 5.1    | 5.1    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    | 3.8    |
| 80°   | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 1.3    | 1.3    | 1.3    | 1.3    | 2.6    | 2.6    |
| 82.5° | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    | 2.6    |
| 85°   | 3.8    | 3.8    | 3.8    | 3.8    | 5.1    | 3.8    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    |
| 87.5° | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 6.4    | 6.4    | 6.4    | 5.1    | 6.4    | 5.1    |
| 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):**

|       | 27.5°  | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    | 67.5° | 90°   | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|--------|
| 0°    | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4  | 544.4 | 544.4 | 544.4  |
| 2.5°  | 686.1  | 675.8  | 679.7  | 668.2  | 659.3  | 655.4  | 655.4  | 654.2  | 594.3 | 534.3 | 492.2  |
| 5°    | 858.2  | 839.1  | 841.6  | 821.2  | 812.3  | 799.6  | 795.7  | 779.2  | 649.0 | 529.2 | 447.6  |
| 7.5°  | 1062.2 | 1034.2 | 1017.5 | 998.4  | 986.9  | 964.1  | 952.5  | 919.3  | 700.1 | 519.0 | 404.3  |
| 10°   | 1281.5 | 1241.9 | 1215.2 | 1184.6 | 1173.2 | 1137.4 | 1115.8 | 1059.6 | 744.7 | 502.5 | 363.4  |
| 12.5° | 1518.7 | 1465.1 | 1416.7 | 1383.6 | 1369.5 | 1300.6 | 1286.7 | 1206.3 | 785.5 | 487.1 | 330.3  |
| 15°   | 1762.2 | 1694.7 | 1633.5 | 1586.3 | 1568.5 | 1500.8 | 1457.5 | 1350.4 | 821.2 | 473.1 | 304.8  |
| 17.5° | 1979.0 | 1906.3 | 1832.4 | 1771.2 | 1745.7 | 1650.0 | 1609.3 | 1476.7 | 847.9 | 459.0 | 290.8  |
| 20°   | 2171.6 | 2083.7 | 2005.8 | 1921.6 | 1892.4 | 1783.9 | 1717.6 | 1574.8 | 863.3 | 450.2 | 292.1  |
| 22.5° | 2318.2 | 2217.5 | 2128.3 | 2033.8 | 1996.9 | 1878.3 | 1803.0 | 1642.5 | 868.4 | 443.8 | 300.9  |
| 25°   | 2425.4 | 2313.2 | 2213.7 | 2110.3 | 2067.0 | 1940.7 | 1857.9 | 1684.4 | 867.1 | 439.9 | 304.8  |
| 27.5° | 2480.1 | 2360.4 | 2253.2 | 2142.3 | 2095.1 | 1965.1 | 1875.7 | 1693.4 | 849.2 | 424.7 | 304.8  |
| 30°   | 2472.4 | 2346.3 | 2234.1 | 2119.3 | 2068.3 | 1939.4 | 1847.6 | 1659.0 | 811.0 | 396.6 | 283.1  |
| 32.5° | 2405.0 | 2276.1 | 2161.4 | 2046.6 | 1995.6 | 1869.4 | 1777.6 | 1588.9 | 756.1 | 359.5 | 253.7  |
| 35°   | 2292.7 | 2165.2 | 2051.7 | 1939.4 | 1888.5 | 1766.1 | 1676.8 | 1493.2 | 693.7 | 320.0 | 227.0  |
| 37.5° | 2146.1 | 2022.4 | 1912.8 | 1810.7 | 1752.1 | 1637.2 | 1550.7 | 1379.6 | 624.8 | 284.4 | 204.0  |
| 40°   | 1963.8 | 1846.5 | 1743.1 | 1648.8 | 1586.3 | 1480.4 | 1401.4 | 1245.9 | 552.1 | 247.3 | 182.3  |
| 42.5° | 1753.4 | 1643.6 | 1559.5 | 1465.1 | 1395.0 | 1301.9 | 1233.1 | 1097.9 | 478.1 | 214.2 | 159.4  |
| 45°   | 1514.9 | 1418.0 | 1345.3 | 1262.4 | 1189.7 | 1110.6 | 1052.0 | 942.4  | 403.0 | 178.5 | 137.7  |
| 47.5° | 1258.6 | 1178.2 | 1122.2 | 1053.3 | 981.9  | 918.2  | 872.3  | 784.2  | 331.6 | 149.1 | 117.3  |
| 50°   | 1006.1 | 942.4  | 901.5  | 849.2  | 784.2  | 735.7  | 700.1  | 641.5  | 262.7 | 121.2 | 98.2   |
| 52.5° | 774.0  | 728.0  | 700.1  | 661.7  | 604.4  | 571.2  | 545.7  | 504.9  | 200.3 | 98.2  | 79.1   |
| 55°   | 577.6  | 544.4  | 526.6  | 499.8  | 450.2  | 427.2  | 410.6  | 385.2  | 149.1 | 77.8  | 61.2   |
| 57.5° | 417.0  | 395.3  | 383.9  | 365.9  | 325.2  | 311.2  | 299.6  | 284.4  | 108.5 | 59.9  | 44.6   |
| 60°   | 290.8  | 275.4  | 269.0  | 257.6  | 224.4  | 215.5  | 200.3  | 200.3  | 76.5  | 43.3  | 30.6   |
| 62.5° | 192.6  | 182.3  | 179.8  | 170.9  | 145.4  | 140.3  | 136.4  | 133.9  | 52.3  | 29.4  | 17.8   |
| 65°   | 119.9  | 112.2  | 110.9  | 105.8  | 88.0   | 85.4   | 81.7   | 81.7   | 33.2  | 17.8  | 9.0    |
| 67.5° | 68.9   | 65.0   | 63.7   | 61.2   | 48.5   | 47.2   | 44.6   | 47.2   | 19.1  | 9.0   | 3.8    |
| 70°   | 36.9   | 33.2   | 33.2   | 31.9   | 24.2   | 23.0   | 21.7   | 23.0   | 10.1  | 5.1   | 2.6    |
| 72.5° | 17.8   | 15.3   | 15.3   | 14.0   | 10.1   | 10.1   | 9.0    | 11.4   | 5.1   | 2.6   | 2.6    |
| 75°   | 7.7    | 7.7    | 6.4    | 6.4    | 3.8    | 3.8    | 3.8    | 5.1    | 2.6   | 2.6   | 2.6    |
| 77.5° | 3.8    | 3.8    | 3.8    | 3.8    | 1.3    | 1.3    | 1.3    | 2.6    | 2.6   | 2.6   | 2.6    |
| 80°   | 2.6    | 2.6    | 2.6    | 2.6    | 0.0    | 0.0    | 0.0    | 2.6    | 2.6   | 2.6   | 2.6    |
| 82.5° | 2.6    | 1.3    | 1.3    | 1.3    | 0.0    | 0.0    | 0.0    | 1.3    | 2.6   | 2.6   | 2.6    |
| 85°   | 3.8    | 3.8    | 3.8    | 3.8    | 2.6    | 2.6    | 2.6    | 3.8    | 2.6   | 2.6   | 2.6    |
| 87.5° | 5.1    | 5.1    | 5.1    | 5.1    | 3.8    | 3.8    | 3.8    | 6.4    | 3.8   | 2.6   | 2.6    |
| 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):**

|       | 135°  | 157.5° | 180°  |
|-------|-------|--------|-------|
| 0°    | 544.4 | 544.4  | 544.4 |
| 2.5°  | 456.6 | 429.8  | 432.2 |
| 5°    | 387.6 | 349.4  | 345.6 |
| 7.5°  | 327.7 | 286.8  | 281.8 |
| 10°   | 280.5 | 239.8  | 233.4 |
| 12.5° | 246.2 | 209.1  | 202.7 |
| 15°   | 224.4 | 191.3  | 186.2 |
| 17.5° | 220.5 | 195.0  | 192.6 |
| 20°   | 235.9 | 223.1  | 225.7 |
| 22.5° | 262.7 | 258.9  | 265.3 |
| 25°   | 280.5 | 279.3  | 286.8 |
| 27.5° | 276.7 | 274.1  | 279.3 |
| 30°   | 256.3 | 252.5  | 255.0 |
| 32.5° | 232.1 | 225.7  | 228.2 |
| 35°   | 207.8 | 202.7  | 204.0 |
| 37.5° | 187.5 | 183.6  | 183.6 |
| 40°   | 169.6 | 165.8  | 165.8 |
| 42.5° | 150.4 | 148.0  | 149.1 |
| 45°   | 130.0 | 128.7  | 131.3 |
| 47.5° | 109.6 | 108.5  | 110.9 |
| 50°   | 90.5  | 88.0   | 88.0  |
| 52.5° | 71.4  | 67.6   | 65.0  |
| 55°   | 52.3  | 45.9   | 43.3  |
| 57.5° | 35.8  | 29.4   | 26.8  |
| 60°   | 20.4  | 16.5   | 14.0  |
| 62.5° | 10.1  | 6.4    | 5.1   |
| 65°   | 3.8   | 2.6    | 1.3   |
| 67.5° | 2.6   | 1.3    | 1.3   |
| 70°   | 2.6   | 1.3    | 1.3   |
| 72.5° | 1.3   | 1.3    | 1.3   |
| 75°   | 1.3   | 1.3    | 0.0   |
| 77.5° | 1.3   | 1.3    | 1.3   |
| 80°   | 1.3   | 1.3    | 0.0   |
| 82.5° | 1.3   | 1.3    | 0.0   |
| 85°   | 1.3   | 1.3    | 0.0   |
| 87.5° | 1.3   | 1.3    | 0.0   |
| 90°   | 0.0   | 0.0    | 0.0   |



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Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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Peachtree City, GA 30269

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1121 Highway 74 South

Peachtree City, GA 30269



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

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(END OF REPORT)