

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: P1192389

Luminaire Tested: **LDA6A50935D010TE LARH40FL 6LLWW1**

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: P1192389  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26669)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A50935D010TE LARH40FL 6LLWW1  
Description: PORTFOLIO 6" Lensed Wall Wash, Self-flanged, 40° Flood  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

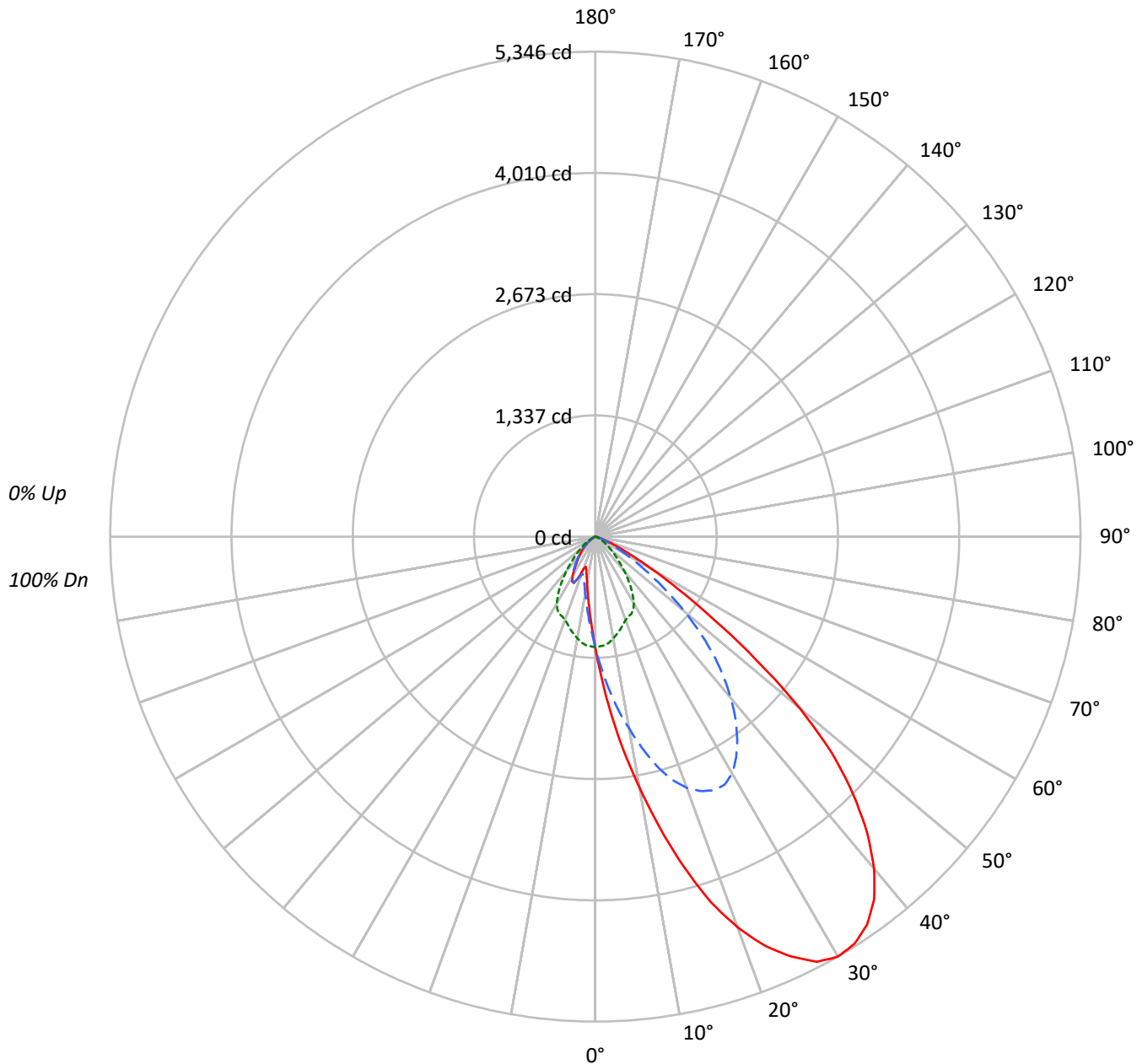
Lumens per Lamp: N/A  
Luminaire Lumens: 3807.2 lumens  
Efficiency: N/A  
Efficacy: 66.3 lumens/watt  
Spacing Criteria (0/90/45): 2.14 / 1.07 / 1.49  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 57.4  
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  | 30  | 10  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 100 | 97  | 98  | 96  | 94  | 95  | 93  | 92  | 90  |    |    |
| 2   | 104 | 97  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 86  | 83  | 86  | 84  | 81  | 79  |    |    |
| 3   | 96  | 88  | 81  | 76  | 94  | 86  | 80  | 75  | 84  | 78  | 74  | 81  | 77  | 73  | 79  | 75  | 72  | 70  |    |    |
| 4   | 89  | 79  | 72  | 66  | 87  | 78  | 71  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 64  | 62  |    |    |
| 5   | 83  | 72  | 64  | 58  | 81  | 71  | 64  | 58  | 69  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 56  | 55  |    |    |
| 6   | 77  | 65  | 57  | 52  | 75  | 64  | 57  | 52  | 63  | 56  | 51  | 61  | 55  | 51  | 60  | 54  | 50  | 49  |    |    |
| 7   | 72  | 59  | 52  | 46  | 70  | 59  | 51  | 46  | 57  | 51  | 46  | 56  | 50  | 45  | 55  | 49  | 45  | 43  |    |    |
| 8   | 67  | 54  | 47  | 41  | 65  | 54  | 46  | 41  | 53  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  |    |    |
| 9   | 62  | 50  | 42  | 37  | 61  | 49  | 42  | 37  | 48  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 37  | 35  |    |    |
| 10  | 58  | 46  | 39  | 34  | 57  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 34  | 43  | 37  | 33  | 32  |    |    |

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

|     | 0°     | 90°   | 180°  |
|-----|--------|-------|-------|
| 0°  | 66848  | 66848 | 66848 |
| 5°  | 107005 | 66008 | 42802 |
| 10° | 156354 | 63398 | 28846 |
| 15° | 213770 | 60120 | 21788 |
| 20° | 267435 | 56921 | 21994 |
| 25° | 308927 | 56731 | 34115 |
| 30° | 338413 | 53704 | 31733 |
| 35° | 349445 | 45528 | 24494 |
| 40° | 341998 | 35524 | 19286 |
| 45° | 311753 | 26212 | 14808 |
| 50° | 250576 | 19343 | 9919  |
| 55° | 152578 | 13686 | 5610  |
| 60° | 79171  | 9045  | 2171  |
| 65° | 38577  | 4787  | 1038  |
| 70° | 17695  | 2068  | 962   |
| 75° | 7392   | 1461  | 1038  |
| 80° | 3788   | 1547  | 1263  |
| 85° | 2516   | 3082  | 1824  |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269



TEST NUMBER: P1192389

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 125.1  | 3.3       |
| 10°-20°   | 443.1  | 11.6      |
| 20°-30°   | 839.0  | 22.0      |
| 30°-40°   | 1016.1 | 26.7      |
| 40°-50°   | 850.4  | 22.3      |
| 50°-60°   | 412.1  | 10.8      |
| 60°-70°   | 101.0  | 2.7       |
| 70°-80°   | 16.4   | 0.4       |
| 80°-90°   | 4.0    | 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°    | 1407.2 | 37.0      |
| 0°-40°    | 2423.3 | 63.6      |
| 0°-60°    | 3685.8 | 96.8      |
| 0°-90°    | 3807.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3807.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1219 | 1219 | 1219 | 1219 | 1219 |      |
| 5°  | 1944 | 1675 | 1200 | 877  | 778  | 212  |
| 15° | 3767 | 2619 | 1059 | 484  | 384  | 1087 |
| 25° | 5107 | 3085 | 938  | 552  | 564  | 2353 |
| 35° | 5222 | 2726 | 680  | 393  | 366  | 3236 |
| 45° | 4021 | 1839 | 338  | 206  | 191  | 3051 |
| 55° | 1596 | 754  | 143  | 78   | 59   | 1496 |
| 65° | 297  | 165  | 37   | 12   | 8    | 335  |
| 75° | 35   | 18   | 7    | 6    | 5    | 47   |
| 85° | 4    | 3    | 5    | 4    | 3    | 5    |
| 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°    | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 |
| 2.5°  | 1547.7 | 1511.7 | 1519.7 | 1525.7 | 1498.8 | 1515.7 | 1487.0 | 1477.0 | 1453.1 | 1459.0 | 1441.2 |
| 5°    | 1944.5 | 1894.7 | 1879.8 | 1879.8 | 1835.0 | 1850.0 | 1824.1 | 1778.3 | 1731.6 | 1717.7 | 1674.9 |
| 7.5°  | 2371.1 | 2316.5 | 2292.6 | 2282.6 | 2216.9 | 2208.0 | 2186.2 | 2115.5 | 2039.0 | 1998.1 | 1922.6 |
| 10°   | 2808.8 | 2759.1 | 2725.3 | 2702.4 | 2611.9 | 2595.9 | 2557.2 | 2457.6 | 2361.2 | 2273.7 | 2149.3 |
| 12.5° | 3291.1 | 3224.6 | 3179.7 | 3141.9 | 3025.6 | 3000.7 | 2943.0 | 2809.8 | 2657.5 | 2552.1 | 2388.0 |
| 15°   | 3766.6 | 3699.0 | 3640.3 | 3585.6 | 3444.3 | 3408.5 | 3330.9 | 3161.9 | 2983.8 | 2826.7 | 2618.8 |
| 17.5° | 4219.2 | 4133.6 | 4062.0 | 3988.4 | 3822.2 | 3777.5 | 3676.1 | 3488.1 | 3239.5 | 3061.4 | 2810.7 |
| 20°   | 4584.2 | 4500.6 | 4418.0 | 4324.6 | 4134.5 | 4080.9 | 3957.5 | 3734.8 | 3452.3 | 3238.4 | 2946.0 |
| 22.5° | 4882.6 | 4788.1 | 4706.5 | 4584.2 | 4370.3 | 4307.7 | 4165.4 | 3912.8 | 3607.4 | 3357.8 | 3036.5 |
| 25°   | 5107.3 | 5006.8 | 4923.3 | 4786.1 | 4549.3 | 4476.7 | 4310.6 | 4037.1 | 3703.9 | 3429.4 | 3085.2 |
| 27.5° | 5284.3 | 5168.9 | 5074.5 | 4922.3 | 4661.8 | 4580.2 | 4398.2 | 4102.7 | 3742.8 | 3443.3 | 3083.2 |
| 30°   | 5346.1 | 5233.6 | 5127.2 | 4963.1 | 4682.6 | 4592.1 | 4403.1 | 4082.9 | 3707.9 | 3385.6 | 3014.7 |
| 32.5° | 5319.2 | 5202.7 | 5087.4 | 4913.3 | 4616.9 | 4519.5 | 4328.6 | 3986.4 | 3601.4 | 3262.4 | 2888.3 |
| 35°   | 5221.6 | 5103.3 | 4980.0 | 4799.9 | 4489.7 | 4384.2 | 4193.2 | 3839.2 | 3439.3 | 3100.1 | 2726.2 |
| 37.5° | 5044.6 | 4926.3 | 4809.9 | 4616.0 | 4298.7 | 4189.2 | 4001.3 | 3634.3 | 3244.4 | 2902.3 | 2538.3 |
| 40°   | 4779.0 | 4661.8 | 4554.3 | 4358.4 | 4039.1 | 3928.7 | 3750.6 | 3386.6 | 3010.7 | 2672.6 | 2322.4 |
| 42.5° | 4436.9 | 4324.6 | 4228.1 | 4036.1 | 3723.9 | 3618.3 | 3451.3 | 3099.2 | 2748.1 | 2420.9 | 2091.7 |
| 45°   | 4021.2 | 3918.7 | 3830.2 | 3649.2 | 3360.8 | 3259.3 | 3111.2 | 2778.0 | 2450.7 | 2144.4 | 1839.0 |
| 47.5° | 3541.8 | 3448.3 | 3370.7 | 3203.7 | 2936.1 | 2843.6 | 2716.2 | 2406.9 | 2114.6 | 1835.0 | 1563.5 |
| 50°   | 2938.1 | 2856.5 | 2802.8 | 2658.6 | 2419.9 | 2342.3 | 2243.8 | 1983.2 | 1743.6 | 1502.8 | 1278.1 |
| 52.5° | 2241.8 | 2178.2 | 2153.3 | 2044.9 | 1859.9 | 1806.2 | 1742.5 | 1542.6 | 1367.6 | 1177.6 | 1002.6 |
| 55°   | 1596.4 | 1554.6 | 1538.6 | 1468.1 | 1346.7 | 1311.9 | 1257.2 | 1133.8 | 1017.5 | 883.2  | 753.9  |
| 57.5° | 1087.1 | 1065.3 | 1053.3 | 1009.5 | 935.0  | 911.0  | 880.2  | 800.7  | 726.1  | 638.5  | 546.0  |
| 60°   | 722.1  | 713.2  | 703.2  | 676.3  | 632.5  | 614.7  | 599.8  | 547.1  | 501.3  | 446.6  | 381.9  |
| 62.5° | 468.4  | 464.4  | 457.5  | 440.6  | 423.7  | 411.7  | 395.9  | 361.0  | 334.2  | 306.3  | 257.6  |
| 65°   | 297.4  | 293.4  | 290.4  | 279.5  | 268.5  | 256.6  | 250.6  | 230.8  | 213.9  | 195.9  | 165.1  |
| 67.5° | 184.0  | 181.0  | 180.0  | 173.0  | 165.1  | 158.1  | 154.1  | 141.2  | 131.3  | 120.3  | 100.5  |
| 70°   | 110.4  | 109.4  | 107.4  | 103.4  | 98.5   | 93.5   | 91.6   | 82.5   | 76.5   | 69.6   | 56.7   |
| 72.5° | 63.6   | 62.7   | 61.6   | 58.7   | 55.8   | 53.8   | 51.8   | 48.7   | 41.8   | 37.8   | 31.8   |
| 75°   | 34.9   | 34.9   | 33.8   | 31.8   | 30.9   | 28.9   | 27.8   | 25.8   | 22.9   | 20.9   | 18.0   |
| 77.5° | 19.8   | 18.9   | 18.9   | 18.0   | 16.9   | 16.9   | 16.0   | 14.9   | 12.9   | 12.9   | 10.9   |
| 80°   | 12.0   | 12.0   | 12.0   | 10.9   | 10.9   | 10.9   | 10.0   | 10.0   | 8.9    | 8.0    | 8.0    |
| 82.5° | 8.0    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.0    | 6.0    | 6.0    | 6.0    | 4.9    |
| 85°   | 4.0    | 4.0    | 4.0    | 4.0    | 2.9    | 4.0    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 87.5° | 0.0    | 0.0    | 0.9    | 0.9    | 0.9    | 0.9    | 0.9    | 2.0    | 2.0    | 2.0    | 2.9    |
| 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°    | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 |
| 2.5°  | 1394.5 | 1384.5 | 1364.6 | 1336.7 | 1326.8 | 1320.8 | 1288.0 | 1258.2 | 1237.3 | 1210.5 | 1184.6 |
| 5°    | 1597.3 | 1560.6 | 1512.8 | 1455.1 | 1432.3 | 1412.3 | 1351.7 | 1296.0 | 1250.2 | 1199.5 | 1151.8 |
| 7.5°  | 1807.2 | 1738.6 | 1658.0 | 1566.6 | 1528.7 | 1493.9 | 1402.4 | 1319.8 | 1249.2 | 1176.7 | 1108.0 |
| 10°   | 2004.1 | 1899.7 | 1783.3 | 1661.0 | 1604.4 | 1553.5 | 1432.3 | 1325.8 | 1232.3 | 1138.9 | 1054.2 |
| 12.5° | 2197.1 | 2054.8 | 1900.7 | 1743.6 | 1670.0 | 1604.4 | 1454.1 | 1323.8 | 1208.5 | 1099.1 | 1001.5 |
| 15°   | 2383.1 | 2199.1 | 2009.1 | 1816.1 | 1727.6 | 1647.1 | 1469.0 | 1316.9 | 1183.6 | 1059.3 | 950.8  |
| 17.5° | 2533.2 | 2316.5 | 2086.6 | 1859.9 | 1760.5 | 1666.9 | 1467.0 | 1297.0 | 1149.8 | 1014.4 | 899.1  |
| 20°   | 2638.6 | 2389.0 | 2133.5 | 1879.8 | 1771.4 | 1668.0 | 1452.1 | 1270.1 | 1114.9 | 975.7  | 859.4  |
| 22.5° | 2698.4 | 2422.9 | 2149.3 | 1879.8 | 1763.4 | 1655.1 | 1431.2 | 1245.2 | 1089.1 | 952.8  | 841.4  |
| 25°   | 2723.3 | 2428.8 | 2142.4 | 1863.9 | 1743.6 | 1632.2 | 1407.4 | 1221.4 | 1068.2 | 937.9  | 834.5  |
| 27.5° | 2703.3 | 2394.0 | 2103.5 | 1820.1 | 1696.8 | 1585.5 | 1361.6 | 1179.6 | 1031.5 | 907.0  | 808.6  |
| 30°   | 2623.7 | 2306.5 | 2017.0 | 1735.6 | 1611.3 | 1502.8 | 1286.0 | 1110.0 | 967.7  | 848.4  | 754.9  |
| 32.5° | 2494.5 | 2179.1 | 1894.7 | 1620.2 | 1496.8 | 1392.5 | 1185.6 | 1018.4 | 882.2  | 768.8  | 682.3  |
| 35°   | 2337.3 | 2028.0 | 1753.5 | 1485.9 | 1367.6 | 1268.1 | 1073.1 | 910.1  | 784.7  | 680.3  | 600.7  |
| 37.5° | 2160.2 | 1860.9 | 1589.3 | 1343.7 | 1230.3 | 1135.8 | 953.9  | 800.7  | 685.3  | 588.9  | 518.2  |
| 40°   | 1961.4 | 1678.9 | 1423.3 | 1190.5 | 1083.1 | 995.5  | 823.5  | 688.3  | 582.9  | 496.4  | 436.6  |
| 42.5° | 1751.5 | 1487.9 | 1250.2 | 1032.4 | 931.0  | 851.4  | 695.2  | 574.9  | 482.4  | 411.7  | 364.0  |
| 45°   | 1526.8 | 1283.0 | 1065.3 | 870.3  | 785.7  | 706.2  | 573.8  | 464.4  | 391.9  | 338.1  | 302.3  |
| 47.5° | 1287.0 | 1071.1 | 879.2  | 709.2  | 635.6  | 566.0  | 454.6  | 371.0  | 318.3  | 277.5  | 250.6  |
| 50°   | 1046.4 | 864.3  | 701.2  | 556.0  | 493.3  | 437.7  | 352.1  | 295.4  | 256.6  | 226.8  | 204.9  |
| 52.5° | 817.6  | 670.3  | 537.1  | 418.8  | 372.0  | 332.2  | 273.5  | 233.7  | 204.9  | 182.0  | 166.1  |
| 55°   | 613.6  | 497.3  | 392.8  | 304.3  | 276.5  | 251.6  | 212.8  | 181.0  | 161.2  | 143.2  | 131.3  |
| 57.5° | 444.6  | 355.0  | 279.5  | 223.8  | 205.9  | 189.0  | 161.2  | 139.2  | 124.3  | 110.4  | 101.4  |
| 60°   | 312.3  | 246.7  | 197.9  | 164.1  | 150.2  | 140.3  | 118.3  | 104.5  | 92.5   | 82.5   | 73.6   |
| 62.5° | 209.9  | 167.1  | 138.3  | 116.3  | 107.4  | 100.5  | 86.5   | 74.6   | 65.6   | 57.6   | 49.8   |
| 65°   | 134.3  | 112.4  | 93.5   | 78.5   | 72.7   | 67.6   | 58.7   | 48.7   | 42.7   | 36.9   | 30.9   |
| 67.5° | 82.5   | 70.7   | 58.7   | 48.7   | 44.7   | 41.8   | 35.8   | 29.8   | 25.8   | 21.8   | 18.9   |
| 70°   | 47.8   | 40.7   | 33.8   | 28.9   | 26.9   | 24.9   | 20.9   | 18.0   | 16.0   | 12.9   | 10.9   |
| 72.5° | 26.9   | 23.8   | 19.8   | 16.9   | 16.0   | 14.9   | 12.9   | 10.9   | 10.0   | 8.9    | 8.0    |
| 75°   | 16.0   | 14.0   | 12.0   | 10.9   | 10.0   | 10.0   | 8.9    | 8.0    | 6.9    | 6.9    | 6.0    |
| 77.5° | 10.0   | 8.9    | 8.0    | 8.0    | 6.9    | 6.9    | 6.9    | 6.0    | 6.0    | 6.0    | 6.0    |
| 80°   | 6.9    | 6.9    | 6.0    | 6.0    | 6.0    | 6.0    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    |
| 82.5° | 4.9    | 4.9    | 4.9    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.9    | 4.9    | 4.9    |
| 85°   | 2.9    | 2.9    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.9    | 4.9    | 4.9    |
| 87.5° | 2.9    | 2.9    | 2.9    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 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°    | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 |
| 2.5°  | 1156.7 | 1144.8 | 1122.9 | 1103.1 | 1100.0 | 1072.2 | 1043.3 | 1037.3 | 1027.5 | 1011.5 | 992.6  |
| 5°    | 1104.0 | 1072.2 | 1034.4 | 1006.6 | 994.6  | 954.8  | 915.0  | 897.2  | 877.2  | 846.4  | 828.5  |
| 7.5°  | 1042.4 | 995.5  | 942.8  | 911.0  | 894.1  | 844.4  | 798.7  | 772.8  | 745.9  | 713.2  | 691.2  |
| 10°   | 974.7  | 916.1  | 854.3  | 818.6  | 798.7  | 745.0  | 696.3  | 666.4  | 637.6  | 604.7  | 581.8  |
| 12.5° | 911.0  | 844.4  | 776.8  | 739.0  | 717.1  | 661.4  | 611.6  | 579.8  | 551.1  | 524.2  | 497.3  |
| 15°   | 854.3  | 779.8  | 709.2  | 671.4  | 648.5  | 591.8  | 544.0  | 512.2  | 484.4  | 458.6  | 434.6  |
| 17.5° | 799.7  | 722.1  | 652.5  | 615.6  | 592.7  | 540.0  | 494.4  | 465.5  | 438.6  | 414.8  | 393.9  |
| 20°   | 761.9  | 688.3  | 622.7  | 587.8  | 568.0  | 521.1  | 482.4  | 459.5  | 440.6  | 419.7  | 401.8  |
| 22.5° | 751.9  | 686.3  | 629.6  | 600.7  | 585.8  | 549.1  | 521.1  | 507.3  | 501.3  | 488.4  | 478.4  |
| 25°   | 751.9  | 694.3  | 646.5  | 622.7  | 610.7  | 582.9  | 560.9  | 556.0  | 552.0  | 544.0  | 539.1  |
| 27.5° | 733.0  | 679.3  | 636.5  | 615.6  | 605.8  | 580.9  | 562.0  | 556.0  | 551.1  | 545.1  | 539.1  |
| 30°   | 683.3  | 633.6  | 593.8  | 574.9  | 564.9  | 541.1  | 521.1  | 514.2  | 509.3  | 500.2  | 495.3  |
| 32.5° | 616.7  | 568.9  | 536.0  | 514.2  | 505.3  | 482.4  | 463.5  | 455.5  | 451.5  | 443.5  | 434.6  |
| 35°   | 542.0  | 500.2  | 468.4  | 450.6  | 441.6  | 421.7  | 404.8  | 396.8  | 392.8  | 383.9  | 373.0  |
| 37.5° | 466.4  | 428.6  | 402.8  | 385.9  | 379.0  | 363.0  | 348.1  | 342.1  | 338.1  | 331.2  | 322.3  |
| 40°   | 391.9  | 365.0  | 342.1  | 329.2  | 323.2  | 310.3  | 297.4  | 291.4  | 288.4  | 282.5  | 275.5  |
| 42.5° | 330.2  | 308.3  | 290.4  | 279.5  | 274.5  | 264.6  | 253.6  | 247.7  | 244.7  | 238.7  | 233.7  |
| 45°   | 276.5  | 259.6  | 245.7  | 235.7  | 231.7  | 222.8  | 213.9  | 208.9  | 205.9  | 200.9  | 195.9  |
| 47.5° | 231.7  | 216.8  | 204.9  | 197.9  | 193.9  | 187.0  | 179.0  | 174.1  | 172.1  | 168.1  | 163.1  |
| 50°   | 190.0  | 179.0  | 169.1  | 163.1  | 160.1  | 153.2  | 146.2  | 142.3  | 140.3  | 136.3  | 131.3  |
| 52.5° | 153.2  | 145.2  | 136.3  | 130.3  | 127.3  | 122.3  | 115.4  | 111.4  | 108.5  | 104.5  | 98.5   |
| 55°   | 120.3  | 113.4  | 106.5  | 100.5  | 98.5   | 92.5   | 86.5   | 80.5   | 77.6   | 73.6   | 68.7   |
| 57.5° | 93.5   | 85.6   | 78.5   | 73.6   | 71.6   | 65.6   | 59.6   | 53.8   | 50.7   | 45.8   | 42.7   |
| 60°   | 66.7   | 59.6   | 52.7   | 49.8   | 47.8   | 41.8   | 36.9   | 31.8   | 29.8   | 26.9   | 24.9   |
| 62.5° | 43.8   | 38.7   | 32.9   | 29.8   | 28.9   | 24.9   | 20.9   | 19.8   | 18.0   | 16.9   | 16.0   |
| 65°   | 26.9   | 23.8   | 19.8   | 18.0   | 16.9   | 16.0   | 14.0   | 12.9   | 12.0   | 10.9   | 10.9   |
| 67.5° | 16.0   | 14.9   | 12.9   | 12.0   | 10.9   | 10.0   | 10.0   | 8.9    | 8.9    | 8.0    | 8.0    |
| 70°   | 10.9   | 10.0   | 8.9    | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 8.0    | 6.9    | 6.9    |
| 72.5° | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    |
| 75°   | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 77.5° | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 4.9    | 4.9    |
| 80°   | 4.9    | 6.0    | 6.0    | 6.0    | 6.0    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    |
| 82.5° | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    |
| 85°   | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 2.9    |
| 87.5° | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 2.9    | 2.9    | 2.9    | 2.0    |
| 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: P1192389

CATALOG NUMBER: LDA6A50935D010TE LARH40FL 6LLWW1

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 | 1219.4 |
| 2.5°  | 990.6  | 981.7  | 972.8  | 986.6  | 985.7  | 971.7  | 981.7  | 965.7  |
| 5°    | 818.6  | 805.6  | 795.7  | 804.6  | 799.7  | 785.7  | 791.7  | 777.8  |
| 7.5°  | 678.3  | 663.4  | 651.4  | 658.5  | 650.5  | 637.6  | 635.6  | 629.6  |
| 10°   | 566.9  | 551.1  | 540.0  | 545.1  | 537.1  | 525.1  | 522.2  | 518.2  |
| 12.5° | 482.4  | 467.5  | 457.5  | 461.5  | 453.5  | 442.6  | 440.6  | 443.5  |
| 15°   | 416.8  | 405.8  | 397.9  | 400.8  | 389.9  | 383.9  | 381.9  | 383.9  |
| 17.5° | 379.0  | 367.0  | 361.0  | 364.0  | 356.1  | 350.1  | 349.1  | 348.1  |
| 20°   | 394.8  | 385.9  | 383.9  | 388.9  | 382.9  | 377.9  | 381.0  | 377.0  |
| 22.5° | 481.3  | 480.4  | 481.3  | 493.3  | 490.4  | 488.4  | 490.4  | 490.4  |
| 25°   | 542.0  | 546.0  | 547.1  | 560.0  | 560.9  | 558.9  | 564.0  | 564.0  |
| 27.5° | 540.0  | 541.1  | 540.0  | 553.1  | 554.9  | 551.1  | 556.0  | 556.9  |
| 30°   | 492.4  | 492.4  | 489.3  | 500.2  | 500.2  | 498.2  | 500.2  | 501.3  |
| 32.5° | 429.7  | 428.6  | 427.7  | 432.6  | 432.6  | 429.7  | 431.7  | 431.7  |
| 35°   | 371.0  | 367.0  | 367.0  | 370.0  | 369.0  | 366.0  | 367.0  | 366.0  |
| 37.5° | 320.3  | 315.3  | 315.3  | 317.3  | 314.3  | 311.3  | 312.3  | 312.3  |
| 40°   | 273.5  | 269.5  | 269.5  | 272.5  | 270.5  | 267.5  | 269.5  | 269.5  |
| 42.5° | 229.7  | 228.8  | 228.8  | 230.8  | 230.8  | 228.8  | 231.7  | 232.7  |
| 45°   | 193.9  | 191.0  | 191.0  | 193.0  | 193.0  | 191.0  | 191.9  | 191.0  |
| 47.5° | 161.2  | 158.1  | 158.1  | 158.1  | 156.1  | 153.2  | 153.2  | 152.2  |
| 50°   | 128.3  | 123.4  | 122.3  | 122.3  | 120.3  | 117.4  | 117.4  | 116.3  |
| 52.5° | 95.5   | 90.5   | 90.5   | 89.6   | 87.6   | 86.5   | 85.6   | 85.6   |
| 55°   | 65.6   | 61.6   | 62.7   | 60.7   | 60.7   | 58.7   | 59.6   | 58.7   |
| 57.5° | 40.7   | 38.7   | 38.7   | 37.8   | 35.8   | 34.9   | 34.9   | 33.8   |
| 60°   | 23.8   | 21.8   | 21.8   | 21.8   | 20.9   | 19.8   | 19.8   | 19.8   |
| 62.5° | 16.0   | 14.9   | 14.9   | 14.9   | 12.9   | 12.9   | 12.0   | 12.0   |
| 65°   | 10.0   | 8.9    | 8.9    | 8.9    | 8.0    | 8.0    | 8.0    | 8.0    |
| 67.5° | 8.0    | 8.0    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    |
| 70°   | 6.9    | 6.9    | 6.9    | 6.9    | 6.9    | 6.0    | 6.0    | 6.0    |
| 72.5° | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    | 6.0    |
| 75°   | 6.0    | 6.0    | 4.9    | 6.0    | 4.9    | 4.9    | 4.9    | 4.9    |
| 77.5° | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    |
| 80°   | 4.9    | 4.9    | 4.9    | 4.9    | 4.9    | 4.0    | 4.0    | 4.0    |
| 82.5° | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    | 4.0    |
| 85°   | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    | 2.9    |
| 87.5° | 2.9    | 2.0    | 2.0    | 2.0    | 0.9    | 0.9    | 0.9    | 0.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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1121 Highway 74 South

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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