

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: P1192350

Luminaire Tested: **LDA6A50927D010TE LARH40FL 6LA1LI 30°**

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: P1192350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26672)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A50927D010TE LARH40FL 6LA1LI 30°  
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 40° Flood, 30° Tilt  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

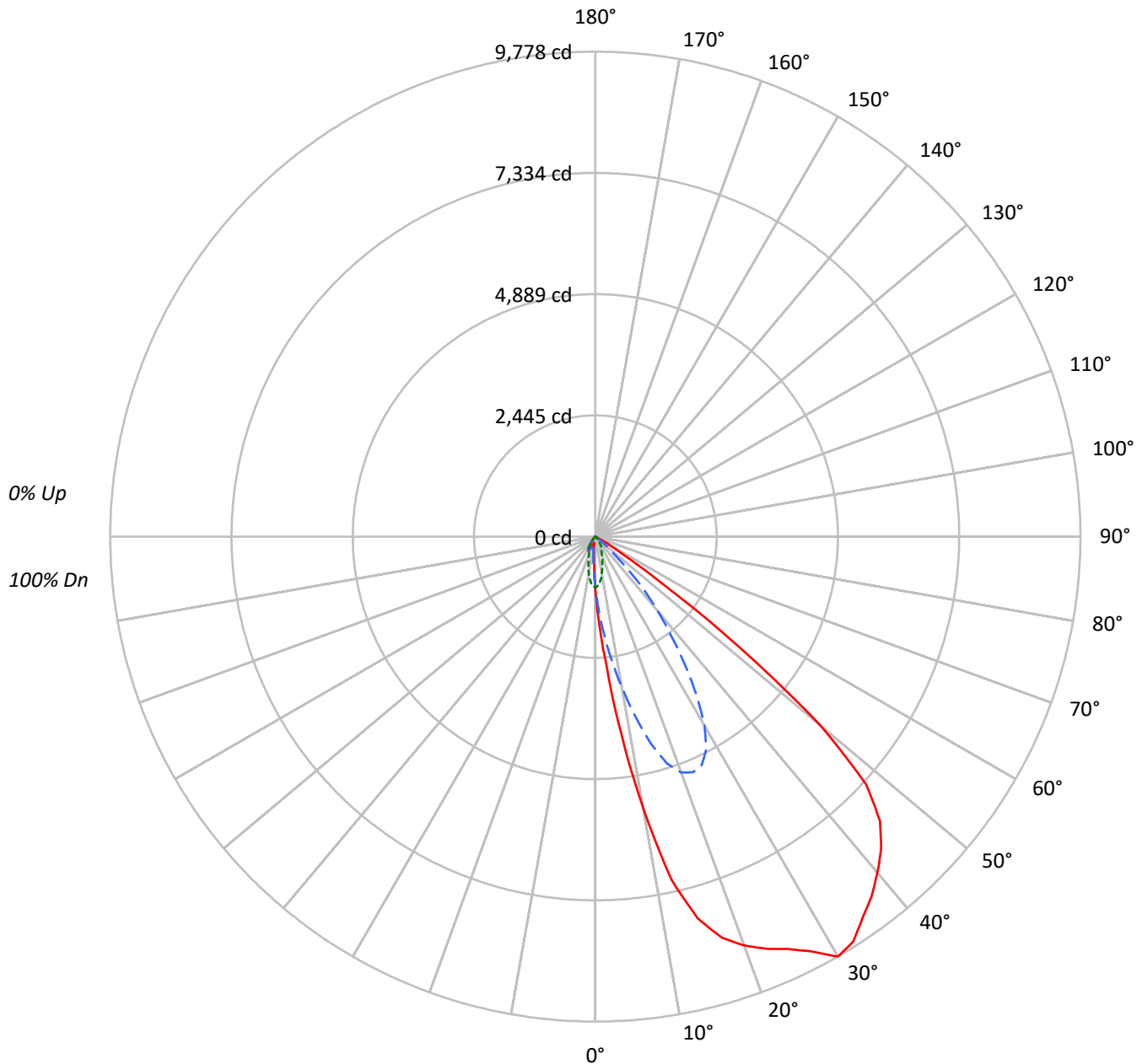
Lumens per Lamp: N/A  
Luminaire Lumens: 4580.7 lumens  
Efficiency: N/A  
Efficacy: 79.8 lumens/watt  
Spacing Criteria (0/90/45): 2.54 / 0.51 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1192350

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### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

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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 | 109 | 106 | 103 | 110 | 107 | 104 | 102 |  | 103 | 101 | 99  |  |  | 99  | 97  | 96  |  |  | 95  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  |  | 94  | 90  | 87  |  |  | 91  | 88  | 85  |  |  | 88  |
| 3   | 98  | 90  | 84  | 79  | 96  | 89  | 83  | 79  |  | 86  | 81  | 77  |  |  | 84  | 80  | 76  |  |  | 81  |
| 4   | 92  | 82  | 75  | 70  | 90  | 81  | 75  | 70  |  | 79  | 73  | 69  |  |  | 77  | 72  | 68  |  |  | 75  |
| 5   | 85  | 75  | 68  | 62  | 83  | 74  | 67  | 62  |  | 72  | 66  | 62  |  |  | 70  | 65  | 61  |  |  | 69  |
| 6   | 80  | 69  | 61  | 56  | 78  | 68  | 61  | 56  |  | 66  | 60  | 55  |  |  | 64  | 59  | 55  |  |  | 63  |
| 7   | 74  | 63  | 55  | 50  | 73  | 62  | 55  | 50  |  | 61  | 54  | 50  |  |  | 59  | 54  | 49  |  |  | 58  |
| 8   | 69  | 58  | 50  | 45  | 68  | 57  | 50  | 45  |  | 56  | 49  | 45  |  |  | 55  | 49  | 45  |  |  | 54  |
| 9   | 65  | 53  | 46  | 41  | 64  | 53  | 46  | 41  |  | 52  | 45  | 41  |  |  | 51  | 45  | 41  |  |  | 50  |
| 10  | 61  | 49  | 42  | 37  | 60  | 49  | 42  | 37  |  | 48  | 41  | 37  |  |  | 47  | 41  | 37  |  |  | 46  |

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

|     | 0°     | 90°   | 180°  |
|-----|--------|-------|-------|
| 0°  | 56372  | 56372 | 56372 |
| 5°  | 144144 | 51970 | 18963 |
| 10° | 309797 | 41928 | 6980  |
| 15° | 451927 | 30664 | 7985  |
| 20° | 511739 | 22046 | 12309 |
| 25° | 554754 | 17735 | 19096 |
| 30° | 618988 | 14559 | 18389 |
| 35° | 628274 | 9416  | 12254 |
| 40° | 632907 | 4516  | 6197  |
| 45° | 628941 | 1884  | 2582  |
| 50° | 503566 | 853   | 853   |
| 55° | 150179 | 602   | 86    |
| 60° | 30655  | 691   | 0     |
| 65° | 2919   | 817   | 0     |
| 70° | 289    | 1154  | 0     |
| 75° | 0      | 1525  | 0     |
| 80° | 0      | 2557  | 284   |
| 85° | 0      | 5095  | 566   |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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Peachtree City, GA 30269



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 132.8  | 2.9       |
| 10°-20°   | 642.4  | 14.0      |
| 20°-30°   | 1180.8 | 25.8      |
| 30°-40°   | 1354.7 | 29.6      |
| 40°-50°   | 1024.9 | 22.4      |
| 50°-60°   | 227.1  | 5.0       |
| 60°-70°   | 9.6    | 0.2       |
| 70°-80°   | 4.2    | 0.1       |
| 80°-90°   | 4.1    | 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°    | 1956.0 | 42.7      |
| 0°-40°    | 3310.7 | 72.3      |
| 0°-60°    | 4562.7 | 99.6      |
| 0°-90°    | 4580.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4580.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1028 | 1028 | 1028 | 1028 | 1028 |      |
| 5°  | 2619 | 1956 | 944  | 462  | 345  | 346  |
| 15° | 7963 | 4319 | 540  | 140  | 141  | 2219 |
| 25° | 9171 | 5078 | 293  | 284  | 316  | 4279 |
| 35° | 9388 | 3134 | 141  | 176  | 183  | 5880 |
| 45° | 8112 | 887  | 24   | 32   | 33   | 6054 |
| 55° | 1571 | 33   | 6    | 4    | 1    | 1945 |
| 65° | 22   | 4    | 6    | 4    | 0    | 60   |
| 75° | 0    | 4    | 7    | 4    | 0    | 0    |
| 85° | 0    | 4    | 8    | 4    | 1    | 0    |
| 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°    | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 |
| 2.5°  | 1741.8 | 1724.7 | 1729.1 | 1750.7 | 1661.5 | 1658.8 | 1617.3 | 1611.9 | 1570.3 | 1494.6 | 1456.7 |
| 5°    | 2619.4 | 2608.6 | 2589.6 | 2596.9 | 2495.0 | 2426.3 | 2354.2 | 2301.9 | 2195.4 | 2052.0 | 1956.5 |
| 7.5°  | 4019.3 | 3902.0 | 3845.2 | 3736.1 | 3606.1 | 3473.6 | 3340.1 | 3185.0 | 2961.3 | 2711.4 | 2509.4 |
| 10°   | 5565.3 | 5513.9 | 5397.6 | 5328.1 | 5040.3 | 4845.5 | 4638.1 | 4320.6 | 3911.1 | 3458.2 | 3081.2 |
| 12.5° | 7080.7 | 7020.2 | 6844.3 | 6696.4 | 6313.1 | 6139.0 | 5869.3 | 5468.8 | 4949.2 | 4304.4 | 3708.1 |
| 15°   | 7962.9 | 7976.4 | 7777.1 | 7769.8 | 7439.6 | 7213.2 | 6979.6 | 6506.0 | 5846.8 | 5106.1 | 4318.7 |
| 17.5° | 8479.6 | 8513.0 | 8315.4 | 8371.4 | 8042.2 | 7807.7 | 7633.6 | 7287.3 | 6586.3 | 5697.9 | 4790.5 |
| 20°   | 8771.9 | 8825.1 | 8615.0 | 8658.3 | 8376.8 | 8218.0 | 8041.3 | 7698.5 | 7079.8 | 6099.3 | 5058.4 |
| 22.5° | 8994.7 | 9015.5 | 8781.9 | 8839.5 | 8532.0 | 8373.2 | 8247.8 | 7926.7 | 7316.1 | 6311.3 | 5142.3 |
| 25°   | 9171.4 | 9223.8 | 8956.8 | 8961.3 | 8655.6 | 8496.8 | 8357.9 | 8065.7 | 7417.1 | 6367.2 | 5078.2 |
| 27.5° | 9425.9 | 9468.3 | 9075.9 | 9041.6 | 8745.7 | 8570.7 | 8420.1 | 8132.3 | 7412.6 | 6242.7 | 4836.5 |
| 30°   | 9778.5 | 9542.2 | 9140.8 | 9052.4 | 8719.6 | 8541.9 | 8380.5 | 8007.0 | 7246.7 | 5907.2 | 4397.2 |
| 32.5° | 9677.5 | 9486.3 | 9090.3 | 8949.6 | 8619.4 | 8429.2 | 8244.2 | 7789.6 | 6861.4 | 5387.6 | 3798.3 |
| 35°   | 9388.0 | 9326.6 | 8910.9 | 8866.6 | 8467.1 | 8267.7 | 8081.9 | 7460.4 | 6270.7 | 4708.4 | 3134.4 |
| 37.5° | 9143.5 | 9038.9 | 8771.0 | 8701.6 | 8282.1 | 8062.0 | 7766.1 | 6968.8 | 5489.6 | 3842.5 | 2503.1 |
| 40°   | 8844.1 | 8773.7 | 8514.9 | 8440.9 | 7955.6 | 7620.0 | 7258.4 | 6077.6 | 4546.0 | 2991.0 | 1933.0 |
| 42.5° | 8525.7 | 8462.5 | 8218.0 | 8063.0 | 7416.3 | 6972.5 | 6410.5 | 4998.9 | 3499.8 | 2254.1 | 1448.6 |
| 45°   | 8112.5 | 8023.3 | 7717.4 | 7428.8 | 6501.6 | 5866.6 | 5234.3 | 3814.6 | 2561.6 | 1604.7 | 886.6  |
| 47.5° | 7402.6 | 7261.1 | 6890.3 | 6310.4 | 5171.2 | 4561.4 | 3903.0 | 2586.9 | 1582.1 | 826.2  | 446.5  |
| 50°   | 5904.5 | 5657.3 | 5163.9 | 4473.9 | 3312.1 | 2727.6 | 2211.6 | 1315.2 | 679.2  | 425.7  | 262.4  |
| 52.5° | 3638.6 | 3412.2 | 2991.9 | 2326.2 | 1527.1 | 1176.2 | 926.3  | 612.4  | 374.3  | 240.8  | 97.4   |
| 55°   | 1571.3 | 1429.7 | 1228.5 | 937.2  | 665.6  | 547.5  | 440.1  | 305.8  | 193.1  | 73.9   | 33.3   |
| 57.5° | 593.5  | 551.1  | 499.7  | 410.4  | 306.7  | 256.2  | 215.6  | 135.3  | 46.9   | 27.9   | 18.9   |
| 60°   | 279.6  | 253.4  | 223.7  | 177.7  | 117.3  | 84.7   | 53.2   | 34.3   | 22.5   | 15.4   | 10.8   |
| 62.5° | 76.6   | 57.7   | 47.8   | 38.7   | 29.8   | 26.2   | 22.5   | 17.1   | 12.7   | 8.1    | 6.3    |
| 65°   | 22.5   | 19.8   | 18.9   | 16.2   | 13.5   | 11.7   | 10.0   | 8.1    | 6.3    | 4.5    | 4.5    |
| 67.5° | 8.1    | 8.1    | 7.2    | 6.3    | 5.4    | 4.5    | 4.5    | 3.6    | 3.6    | 3.6    | 3.6    |
| 70°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 2.7    | 2.7    | 3.6    | 3.6    |
| 72.5° | 0.0    | 0.0    | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    | 2.7    | 2.7    | 3.6    | 3.6    |
| 75°   | 0.0    | 0.0    | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    | 2.7    | 2.7    | 3.6    | 3.6    |
| 77.5° | 0.0    | 0.0    | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    | 2.7    | 3.6    | 3.6    | 4.5    |
| 80°   | 0.0    | 0.0    | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    | 2.7    | 3.6    | 3.6    | 4.5    |
| 82.5° | 0.0    | 0.0    | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    | 2.7    | 3.6    | 3.6    | 4.5    |
| 85°   | 0.0    | 0.0    | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    | 2.7    | 3.6    | 3.6    | 4.5    |
| 87.5° | 0.0    | 0.0    | 0.9    | 0.9    | 1.8    | 1.8    | 1.8    | 2.7    | 3.6    | 3.6    | 4.5    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1192350

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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 |
| 2.5°  | 1425.1 | 1372.8 | 1298.8 | 1261.0 | 1227.6 | 1218.6 | 1150.0 | 1105.9 | 1053.5 | 999.4  | 942.6  |
| 5°    | 1867.2 | 1733.6 | 1592.0 | 1473.0 | 1412.6 | 1377.4 | 1243.9 | 1143.8 | 1047.2 | 944.4  | 856.9  |
| 7.5°  | 2305.5 | 2066.4 | 1859.9 | 1667.7 | 1562.2 | 1482.9 | 1291.7 | 1141.0 | 994.8  | 861.4  | 743.2  |
| 10°   | 2729.5 | 2384.9 | 2055.7 | 1795.9 | 1650.6 | 1532.5 | 1285.3 | 1089.6 | 906.5  | 753.2  | 629.6  |
| 12.5° | 3158.8 | 2656.4 | 2218.9 | 1864.5 | 1691.2 | 1539.7 | 1242.0 | 1003.9 | 810.0  | 647.7  | 519.6  |
| 15°   | 3542.2 | 2867.4 | 2320.8 | 1880.6 | 1671.4 | 1492.9 | 1157.3 | 894.7  | 701.8  | 540.3  | 428.4  |
| 17.5° | 3808.2 | 2981.1 | 2327.1 | 1821.1 | 1588.4 | 1396.3 | 1039.1 | 780.2  | 592.6  | 450.1  | 351.8  |
| 20°   | 3929.1 | 2977.5 | 2241.5 | 1697.5 | 1454.0 | 1253.8 | 899.3  | 662.9  | 494.3  | 377.9  | 294.0  |
| 22.5° | 3893.0 | 2863.9 | 2089.9 | 1522.5 | 1289.8 | 1089.6 | 769.4  | 559.3  | 424.9  | 324.8  | 258.0  |
| 25°   | 3712.6 | 2665.4 | 1912.2 | 1347.5 | 1113.0 | 926.3  | 652.1  | 478.1  | 368.9  | 293.2  | 234.5  |
| 27.5° | 3417.6 | 2394.9 | 1673.3 | 1142.9 | 928.2  | 783.0  | 549.3  | 413.1  | 324.8  | 258.9  | 244.5  |
| 30°   | 2986.5 | 2066.4 | 1392.7 | 921.8  | 749.5  | 619.7  | 445.5  | 332.9  | 259.7  | 230.0  | 230.9  |
| 32.5° | 2511.2 | 1704.8 | 1095.1 | 704.5  | 564.7  | 478.1  | 329.2  | 232.7  | 190.4  | 188.5  | 189.4  |
| 35°   | 2037.6 | 1327.7 | 814.6  | 515.0  | 414.0  | 344.6  | 212.0  | 146.1  | 141.7  | 140.7  | 142.5  |
| 37.5° | 1617.3 | 987.7  | 587.2  | 359.9  | 274.2  | 210.2  | 114.6  | 99.2   | 95.7   | 97.4   | 98.4   |
| 40°   | 1207.8 | 692.7  | 396.8  | 212.9  | 133.5  | 96.5   | 69.5   | 64.1   | 62.2   | 63.1   | 63.1   |
| 42.5° | 830.8  | 433.0  | 236.3  | 88.4   | 64.1   | 53.2   | 44.2   | 41.5   | 39.7   | 38.7   | 39.7   |
| 45°   | 447.4  | 269.7  | 92.0   | 45.1   | 37.9   | 34.3   | 27.9   | 26.2   | 25.2   | 24.3   | 24.3   |
| 47.5° | 285.9  | 100.1  | 41.5   | 27.9   | 24.3   | 22.5   | 18.9   | 17.1   | 16.2   | 15.4   | 15.4   |
| 50°   | 107.4  | 38.7   | 25.2   | 18.1   | 15.4   | 14.4   | 11.7   | 10.8   | 10.0   | 10.0   | 10.0   |
| 52.5° | 37.0   | 23.5   | 16.2   | 11.7   | 10.0   | 9.0    | 8.1    | 7.2    | 7.2    | 7.2    | 7.2    |
| 55°   | 20.8   | 14.4   | 10.0   | 7.2    | 7.2    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    |
| 57.5° | 12.7   | 8.1    | 6.3    | 5.4    | 5.4    | 5.4    | 5.4    | 6.3    | 6.3    | 6.3    | 6.3    |
| 60°   | 7.2    | 5.4    | 5.4    | 5.4    | 5.4    | 5.4    | 5.4    | 5.4    | 6.3    | 6.3    | 6.3    |
| 62.5° | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 5.4    | 5.4    | 6.3    | 6.3    | 6.3    | 6.3    |
| 65°   | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 5.4    | 5.4    | 6.3    | 6.3    | 6.3    | 6.3    |
| 67.5° | 3.6    | 4.5    | 4.5    | 5.4    | 5.4    | 5.4    | 5.4    | 6.3    | 6.3    | 7.2    | 6.3    |
| 70°   | 4.5    | 4.5    | 4.5    | 5.4    | 5.4    | 5.4    | 6.3    | 6.3    | 7.2    | 7.2    | 7.2    |
| 72.5° | 4.5    | 4.5    | 4.5    | 5.4    | 5.4    | 5.4    | 6.3    | 6.3    | 7.2    | 7.2    | 7.2    |
| 75°   | 4.5    | 4.5    | 5.4    | 5.4    | 5.4    | 6.3    | 6.3    | 7.2    | 7.2    | 7.2    | 7.2    |
| 77.5° | 4.5    | 4.5    | 5.4    | 5.4    | 5.4    | 6.3    | 6.3    | 7.2    | 7.2    | 8.1    | 7.2    |
| 80°   | 4.5    | 4.5    | 5.4    | 6.3    | 6.3    | 6.3    | 6.3    | 7.2    | 7.2    | 8.1    | 8.1    |
| 82.5° | 4.5    | 5.4    | 5.4    | 6.3    | 6.3    | 6.3    | 7.2    | 7.2    | 8.1    | 8.1    | 8.1    |
| 85°   | 4.5    | 5.4    | 5.4    | 6.3    | 6.3    | 6.3    | 7.2    | 7.2    | 8.1    | 8.1    | 8.1    |
| 87.5° | 4.5    | 5.4    | 5.4    | 6.3    | 6.3    | 6.3    | 7.2    | 7.2    | 8.1    | 8.1    | 8.1    |
| 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):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 |
| 2.5°  | 911.9  | 859.6  | 817.3  | 818.1  | 783.0  | 755.9  | 721.6  | 702.7  | 687.3  | 662.1  | 638.6  |
| 5°    | 792.8  | 712.6  | 652.1  | 640.4  | 599.8  | 558.3  | 516.0  | 484.4  | 461.9  | 437.4  | 414.9  |
| 7.5°  | 663.9  | 571.8  | 502.5  | 486.2  | 451.9  | 413.1  | 374.3  | 342.7  | 315.7  | 289.6  | 262.4  |
| 10°   | 538.5  | 454.6  | 391.4  | 375.2  | 341.0  | 300.4  | 263.4  | 235.4  | 214.7  | 193.9  | 173.2  |
| 12.5° | 435.7  | 361.7  | 302.1  | 281.5  | 253.4  | 221.8  | 192.1  | 165.0  | 142.5  | 133.5  | 130.8  |
| 15°   | 352.7  | 282.3  | 235.4  | 218.3  | 194.8  | 162.3  | 145.2  | 140.7  | 139.8  | 139.8  | 139.8  |
| 17.5° | 285.0  | 230.0  | 187.6  | 169.6  | 157.9  | 156.0  | 156.0  | 156.0  | 156.9  | 158.8  | 162.3  |
| 20°   | 239.1  | 190.4  | 174.1  | 175.9  | 175.9  | 177.7  | 181.3  | 184.0  | 187.6  | 192.1  | 197.5  |
| 22.5° | 212.0  | 202.0  | 200.2  | 205.6  | 206.6  | 212.0  | 219.1  | 224.6  | 230.9  | 238.1  | 242.6  |
| 25°   | 231.8  | 235.4  | 238.1  | 246.2  | 248.9  | 258.0  | 268.8  | 276.9  | 284.2  | 292.3  | 297.7  |
| 27.5° | 252.6  | 258.9  | 264.3  | 272.4  | 274.2  | 285.9  | 295.0  | 300.4  | 305.8  | 309.4  | 313.0  |
| 30°   | 238.1  | 244.5  | 249.9  | 257.0  | 257.0  | 269.7  | 274.2  | 278.8  | 283.2  | 285.0  | 288.6  |
| 32.5° | 195.8  | 202.0  | 207.5  | 212.9  | 213.7  | 222.8  | 228.2  | 230.0  | 233.6  | 234.5  | 237.2  |
| 35°   | 147.1  | 149.8  | 155.2  | 159.6  | 160.6  | 166.9  | 171.4  | 173.2  | 175.9  | 175.9  | 177.7  |
| 37.5° | 101.1  | 102.8  | 107.4  | 110.1  | 111.9  | 116.3  | 119.0  | 120.9  | 122.7  | 123.6  | 124.5  |
| 40°   | 65.8   | 66.8   | 69.5   | 72.2   | 73.9   | 76.6   | 78.5   | 80.3   | 81.2   | 83.0   | 83.0   |
| 42.5° | 40.6   | 41.5   | 43.3   | 45.1   | 45.1   | 47.8   | 48.7   | 50.5   | 51.4   | 52.3   | 52.3   |
| 45°   | 25.2   | 26.2   | 26.2   | 27.1   | 27.9   | 28.9   | 30.6   | 30.6   | 31.6   | 31.6   | 31.6   |
| 47.5° | 15.4   | 16.2   | 15.4   | 16.2   | 16.2   | 17.1   | 18.1   | 18.1   | 18.1   | 18.1   | 18.1   |
| 50°   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 10.8   | 10.8   | 10.8   | 10.8   | 10.0   |
| 52.5° | 7.2    | 7.2    | 6.3    | 7.2    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 5.4    |
| 55°   | 6.3    | 6.3    | 6.3    | 6.3    | 5.4    | 5.4    | 5.4    | 4.5    | 4.5    | 3.6    | 3.6    |
| 57.5° | 6.3    | 6.3    | 5.4    | 5.4    | 5.4    | 4.5    | 4.5    | 4.5    | 3.6    | 3.6    | 2.7    |
| 60°   | 6.3    | 6.3    | 5.4    | 5.4    | 5.4    | 4.5    | 4.5    | 3.6    | 3.6    | 2.7    | 2.7    |
| 62.5° | 6.3    | 6.3    | 5.4    | 5.4    | 5.4    | 5.4    | 4.5    | 4.5    | 3.6    | 3.6    | 2.7    |
| 65°   | 6.3    | 6.3    | 6.3    | 5.4    | 5.4    | 5.4    | 4.5    | 4.5    | 3.6    | 3.6    | 2.7    |
| 67.5° | 6.3    | 6.3    | 6.3    | 6.3    | 5.4    | 5.4    | 5.4    | 4.5    | 3.6    | 3.6    | 2.7    |
| 70°   | 6.3    | 6.3    | 6.3    | 6.3    | 6.3    | 5.4    | 5.4    | 4.5    | 4.5    | 3.6    | 2.7    |
| 72.5° | 7.2    | 7.2    | 6.3    | 6.3    | 6.3    | 5.4    | 5.4    | 4.5    | 4.5    | 3.6    | 3.6    |
| 75°   | 7.2    | 7.2    | 6.3    | 6.3    | 6.3    | 5.4    | 5.4    | 4.5    | 4.5    | 3.6    | 3.6    |
| 77.5° | 7.2    | 7.2    | 7.2    | 7.2    | 6.3    | 6.3    | 5.4    | 5.4    | 4.5    | 4.5    | 3.6    |
| 80°   | 7.2    | 7.2    | 7.2    | 7.2    | 6.3    | 6.3    | 6.3    | 5.4    | 4.5    | 4.5    | 3.6    |
| 82.5° | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 6.3    | 6.3    | 5.4    | 4.5    | 4.5    | 3.6    |
| 85°   | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 6.3    | 6.3    | 5.4    | 4.5    | 4.5    | 3.6    |
| 87.5° | 7.2    | 7.2    | 7.2    | 7.2    | 7.2    | 6.3    | 6.3    | 5.4    | 4.5    | 4.5    | 3.6    |
| 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: P1192350

CATALOG NUMBER: LDA6A50927D010TE LARH40FL 6LA1LI 30°

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 | 1028.3 |
| 2.5°  | 616.9  | 605.3  | 604.3  | 594.4  | 574.5  | 584.5  | 571.8  | 562.8  |
| 5°    | 395.1  | 382.4  | 369.8  | 371.6  | 357.2  | 359.9  | 350.0  | 344.6  |
| 7.5°  | 250.7  | 237.2  | 233.6  | 233.6  | 217.4  | 217.4  | 211.0  | 207.5  |
| 10°   | 157.9  | 147.1  | 143.4  | 137.1  | 129.9  | 129.0  | 126.3  | 125.4  |
| 12.5° | 128.1  | 128.1  | 125.4  | 126.3  | 126.3  | 126.3  | 125.4  | 125.4  |
| 15°   | 139.8  | 140.7  | 138.0  | 138.9  | 140.7  | 139.8  | 140.7  | 140.7  |
| 17.5° | 161.5  | 166.0  | 162.3  | 164.2  | 167.7  | 166.9  | 167.7  | 168.7  |
| 20°   | 197.5  | 204.7  | 200.2  | 203.9  | 208.3  | 207.5  | 210.2  | 211.0  |
| 22.5° | 246.2  | 255.3  | 250.7  | 254.3  | 261.6  | 259.7  | 263.4  | 265.1  |
| 25°   | 300.4  | 309.4  | 304.0  | 308.5  | 313.0  | 314.8  | 314.8  | 315.7  |
| 27.5° | 313.0  | 318.4  | 314.8  | 319.3  | 321.1  | 322.9  | 321.1  | 322.1  |
| 30°   | 286.9  | 291.3  | 287.7  | 292.3  | 292.3  | 294.0  | 292.3  | 290.5  |
| 32.5° | 236.3  | 239.9  | 235.4  | 240.8  | 239.9  | 240.8  | 241.8  | 242.6  |
| 35°   | 178.6  | 180.4  | 177.7  | 178.6  | 179.5  | 180.4  | 183.1  | 183.1  |
| 37.5° | 124.5  | 127.2  | 124.5  | 125.4  | 125.4  | 127.2  | 129.0  | 129.0  |
| 40°   | 83.0   | 85.7   | 83.0   | 84.7   | 83.9   | 84.7   | 86.6   | 86.6   |
| 42.5° | 52.3   | 54.1   | 52.3   | 53.2   | 53.2   | 53.2   | 54.1   | 55.0   |
| 45°   | 31.6   | 32.5   | 31.6   | 32.5   | 32.5   | 32.5   | 33.3   | 33.3   |
| 47.5° | 18.1   | 18.9   | 18.1   | 18.1   | 18.9   | 18.1   | 18.9   | 18.9   |
| 50°   | 10.0   | 10.0   | 10.0   | 10.0   | 10.0   | 9.0    | 9.0    | 10.0   |
| 52.5° | 5.4    | 5.4    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    | 4.5    |
| 55°   | 2.7    | 2.7    | 1.8    | 1.8    | 1.8    | 0.9    | 1.8    | 0.9    |
| 57.5° | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    | 0.9    | 0.0    | 0.0    |
| 60°   | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    | 0.0    | 0.0    | 0.0    |
| 62.5° | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    | 0.0    | 0.0    | 0.0    |
| 65°   | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    | 0.0    | 0.0    | 0.0    |
| 67.5° | 2.7    | 1.8    | 0.9    | 0.9    | 0.9    | 0.0    | 0.0    | 0.0    |
| 70°   | 2.7    | 1.8    | 1.8    | 0.9    | 0.9    | 0.0    | 0.0    | 0.0    |
| 72.5° | 2.7    | 1.8    | 1.8    | 1.8    | 0.9    | 0.9    | 0.0    | 0.0    |
| 75°   | 2.7    | 1.8    | 1.8    | 1.8    | 0.9    | 0.9    | 0.0    | 0.0    |
| 77.5° | 2.7    | 2.7    | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    | 0.0    |
| 80°   | 2.7    | 2.7    | 1.8    | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    |
| 82.5° | 2.7    | 2.7    | 1.8    | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    |
| 85°   | 2.7    | 2.7    | 1.8    | 1.8    | 1.8    | 0.9    | 0.9    | 0.9    |
| 87.5° | 2.7    | 2.7    | 1.8    | 1.8    | 1.8    | 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

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Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Peachtree City, GA 30269

Scaled Data Report



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1121 Highway 74 South

Peachtree City, GA 30269



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

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