

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: P1212828

Luminaire Tested: **LDA4A35950D010TE LAR35FL 4LA1 30° Tilt**

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: P1212828  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26217)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA4A35950D010TE LAR35FL 4LA1 30° Tilt  
Description: PORTFOLIO 4" Adjustable Reflector, Self-flanged Trim Ring, 35° Flood Optic, at 30° tilt  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

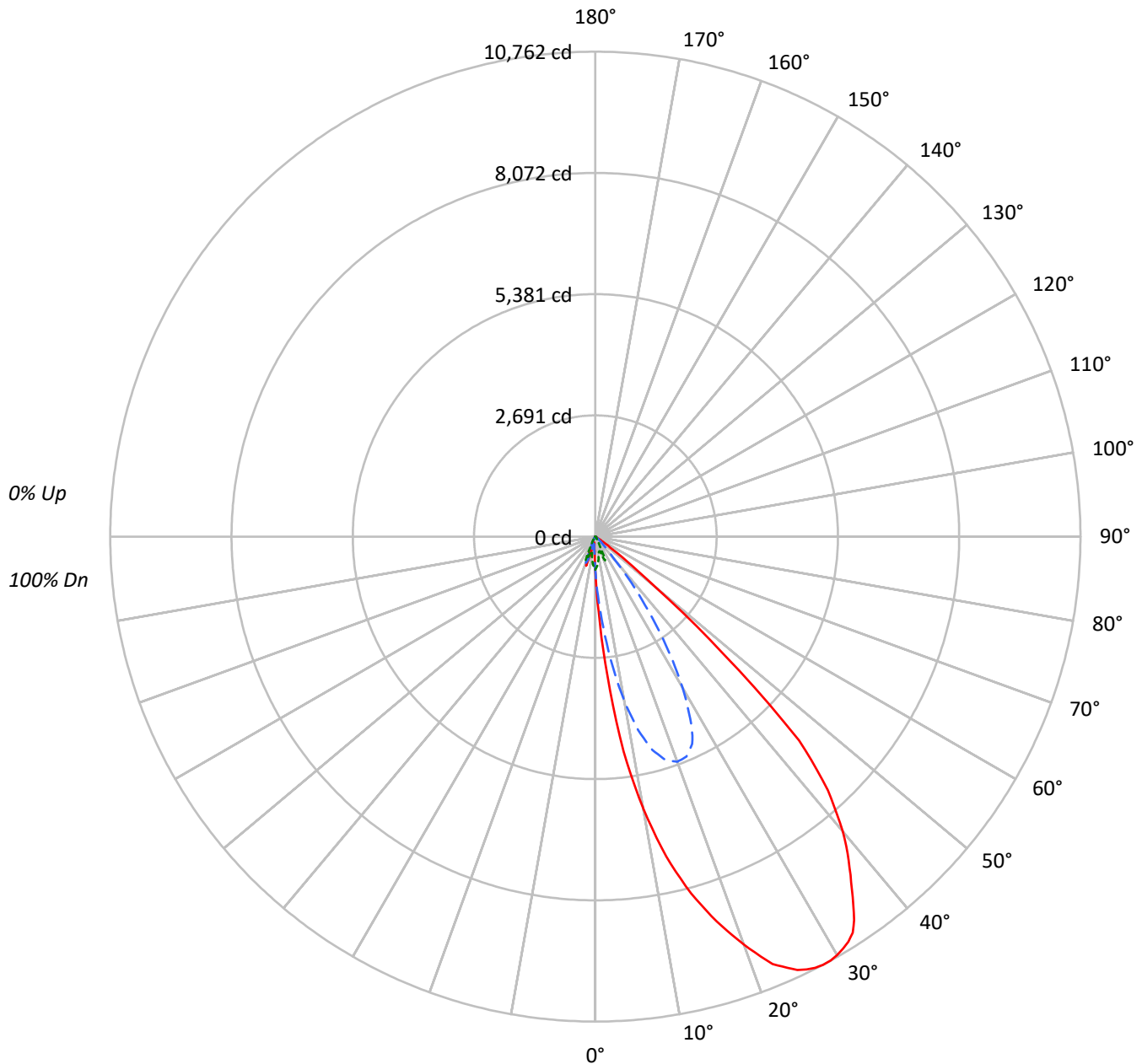
Lumens per Lamp: N/A  
Luminaire Lumens: 3980.3 lumens  
Efficiency: N/A  
Efficacy: 84.5 lumens/watt  
Spacing Criteria (0/90/45): 2.3 / 0.86 / 1.17  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 47.1  
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: P1212828

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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  | 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   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 99  | 100 | 98  | 96  | 96  | 95  | 94  | 92  |    |    |
| 2   | 106 | 101 | 96  | 92  | 104 | 99  | 95  | 91  | 96  | 92  | 89  | 92  | 90  | 87  | 90  | 87  | 85  | 84  |    |    |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 83  | 80  | 78  | 76  |    |    |
| 4   | 93  | 85  | 78  | 74  | 92  | 84  | 78  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 74  | 70  | 69  |    |    |
| 5   | 88  | 78  | 71  | 66  | 86  | 77  | 71  | 66  | 75  | 70  | 65  | 73  | 68  | 65  | 72  | 67  | 64  | 62  |    |    |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 64  | 60  | 69  | 64  | 59  | 68  | 63  | 59  | 66  | 62  | 58  | 57  |    |    |
| 7   | 77  | 66  | 59  | 54  | 76  | 66  | 59  | 54  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 53  | 52  |    |    |
| 8   | 72  | 61  | 54  | 50  | 71  | 61  | 54  | 49  | 59  | 54  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 47  |    |    |
| 9   | 68  | 57  | 50  | 45  | 67  | 56  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 53  | 48  | 45  | 43  |    |    |
| 10  | 64  | 53  | 46  | 42  | 63  | 52  | 46  | 42  | 51  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 40  |    |    |

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

|     | 0°      | 90°   | 180°  |
|-----|---------|-------|-------|
| 0°  | 91165   | 91165 | 91165 |
| 5°  | 382941  | 76259 | 28156 |
| 10° | 769263  | 52454 | 17109 |
| 15° | 1046373 | 42587 | 38488 |
| 20° | 1264641 | 64686 | 71380 |
| 25° | 1444301 | 38447 | 19857 |
| 30° | 1527148 | 18088 | 9172  |
| 35° | 1502083 | 7996  | 3433  |
| 40° | 1374644 | 3961  | 902   |
| 45° | 1115002 | 1989  | 0     |
| 50° | 330553  | 1075  | 0     |
| 55° | 59890   | 1204  | 0     |
| 60° | 11200   | 1381  | 0     |
| 65° | 2743    | 1634  | 0     |
| 70° | 685     | 2020  | 0     |
| 75° | 0       | 2669  | 0     |
| 80° | 0       | 5327  | 0     |
| 85° | 0       | 10614 | 0     |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 134.3  | 3.4       |
| 10°-20°   | 695.2  | 17.5      |
| 20°-30°   | 1217.6 | 30.6      |
| 30°-40°   | 1222.7 | 30.7      |
| 40°-50°   | 644.1  | 16.2      |
| 50°-60°   | 53.6   | 1.3       |
| 60°-70°   | 5.4    | 0.1       |
| 70°-80°   | 3.8    | 0.1       |
| 80°-90°   | 3.5    | 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°    | 2047.1 | 51.4      |
| 0°-40°    | 3269.9 | 82.2      |
| 0°-60°    | 3967.6 | 99.7      |
| 0°-90°    | 3980.3 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3980.3 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 45°  | 90° | 135° | 180° | Flux |
|-----|-------|------|-----|------|------|------|
| 0°  | 739   | 739  | 739 | 739  | 739  |      |
| 5°  | 3093  | 2022 | 616 | 282  | 227  | 396  |
| 15° | 8194  | 4904 | 334 | 224  | 301  | 2339 |
| 25° | 10612 | 5079 | 282 | 161  | 146  | 4856 |
| 35° | 9976  | 2206 | 53  | 28   | 23   | 6168 |
| 45° | 6392  | 227  | 11  | 4    | 0    | 4381 |
| 55° | 278   | 25   | 6   | 2    | 0    | 419  |
| 65° | 9     | 4    | 6   | 4    | 0    | 14   |
| 75° | 0     | 4    | 6   | 4    | 0    | 1    |
| 85° | 0     | 4    | 8   | 4    | 0    | 0    |
| 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°  | 22.5°  | 45°    | 67.5°  |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 739.1   | 739.1   | 739.1   | 739.1   | 739.1   | 739.1   | 739.1   | 739.1  | 739.1  | 739.1  | 739.1  |
| 2.5°  | 1677.1  | 1679.0  | 1680.8  | 1694.2  | 1663.9  | 1656.2  | 1643.1  | 1624.1 | 1561.6 | 1303.7 | 983.6  |
| 5°    | 3092.8  | 3115.4  | 3109.8  | 3090.9  | 3043.4  | 3016.9  | 2977.1  | 2935.4 | 2764.8 | 2022.1 | 1220.4 |
| 7.5°  | 4805.8  | 4849.4  | 4840.1  | 4811.6  | 4731.9  | 4696.0  | 4595.6  | 4540.5 | 4282.9 | 2871.0 | 1396.7 |
| 10°   | 6141.9  | 6257.5  | 6259.3  | 6232.8  | 6113.4  | 6062.3  | 5958.1  | 5859.5 | 5533.5 | 3702.8 | 1478.2 |
| 12.5° | 7271.3  | 7273.1  | 7362.4  | 7341.5  | 7203.0  | 7180.4  | 7093.2  | 6945.4 | 6602.3 | 4396.5 | 1478.2 |
| 15°   | 8194.2  | 8319.3  | 8298.4  | 8275.7  | 8129.8  | 8099.4  | 8016.0  | 7879.7 | 7479.7 | 4904.4 | 1406.1 |
| 17.5° | 8956.1  | 9067.8  | 9035.6  | 9011.1  | 8865.2  | 8798.7  | 8707.8  | 8544.7 | 8105.1 | 5205.7 | 1256.4 |
| 20°   | 9634.5  | 9740.5  | 9676.2  | 9632.6  | 9437.3  | 9355.8  | 9223.2  | 9035.6 | 8533.3 | 5317.5 | 1082.0 |
| 22.5° | 10267.3 | 10379.2 | 10297.8 | 10237.0 | 9985.0  | 9827.7  | 9640.1  | 9403.3 | 8812.0 | 5281.5 | 989.2  |
| 25°   | 10612.3 | 10758.2 | 10680.6 | 10633.1 | 10392.5 | 10208.7 | 9960.5  | 9655.4 | 8971.2 | 5078.7 | 744.7  |
| 26°   | 10688.1 | 10841.6 | 10767.7 | 10726.0 | 10481.5 | 10286.2 | 10021.1 | 9700.8 | 8984.4 | 4912.0 | 574.2  |
| 27°   | 10741.1 | 10911.8 | 10826.5 | 10773.4 | 10521.4 | 10313.0 | 10036.1 | 9702.7 | 8963.6 | 4686.4 | 456.7  |
| 28°   | 10761.9 | 10949.6 | 10845.4 | 10780.8 | 10519.5 | 10292.0 | 9998.2  | 9661.0 | 8908.6 | 4426.8 | 388.5  |
| 29°   | 10760.0 | 10964.7 | 10843.5 | 10773.4 | 10494.8 | 10242.8 | 9941.5  | 9602.2 | 8832.8 | 4155.8 | 350.6  |
| 30°   | 10722.3 | 10945.8 | 10824.4 | 10735.4 | 10436.1 | 10165.2 | 9860.0  | 9520.7 | 8747.5 | 3860.2 | 312.6  |
| 31°   | 10671.0 | 10900.3 | 10773.4 | 10663.5 | 10339.4 | 10045.7 | 9746.3  | 9410.9 | 8633.8 | 3543.8 | 286.2  |
| 32°   | 10597.1 | 10826.5 | 10686.2 | 10542.2 | 10202.9 | 9895.9  | 9607.9  | 9282.0 | 8495.6 | 3210.3 | 253.9  |
| 33°   | 10479.7 | 10682.5 | 10519.5 | 10352.7 | 10013.4 | 9725.4  | 9452.6  | 9132.1 | 8338.2 | 2863.4 | 219.9  |
| 34°   | 10265.4 | 10443.6 | 10275.0 | 10106.4 | 9803.1  | 9535.9  | 9274.3  | 8956.1 | 8154.4 | 2543.1 | 189.5  |
| 35°   | 9975.5  | 10127.2 | 9975.5  | 9833.3  | 9566.3  | 9317.9  | 9067.8  | 8757.0 | 7932.6 | 2205.8 | 163.0  |
| 36°   | 9679.9  | 9812.5  | 9672.4  | 9560.5  | 9304.8  | 9082.9  | 8849.9  | 8527.7 | 7682.5 | 1885.5 | 144.0  |
| 37°   | 9403.3  | 9522.6  | 9393.7  | 9282.0  | 9062.1  | 8836.6  | 8605.5  | 8275.7 | 7405.8 | 1578.5 | 119.4  |
| 38°   | 9128.4  | 9234.5  | 9124.6  | 8999.6  | 8796.8  | 8567.5  | 8334.5  | 7997.1 | 7097.0 | 1288.6 | 102.3  |
| 39°   | 8842.3  | 8929.5  | 8823.5  | 8696.4  | 8489.7  | 8262.4  | 8023.7  | 7675.0 | 6742.6 | 987.4  | 89.0   |
| 40°   | 8537.3  | 8618.8  | 8487.9  | 8374.3  | 8167.7  | 7934.5  | 7690.2  | 7328.2 | 6357.9 | 661.3  | 75.8   |
| 42.5° | 7635.2  | 7684.4  | 7574.5  | 7417.2  | 7210.6  | 6954.8  | 6659.2  | 6253.6 | 5127.9 | 348.7  | 53.1   |
| 45°   | 6392.0  | 6401.4  | 6316.2  | 6030.0  | 5753.4  | 5357.4  | 4915.8  | 4307.5 | 2980.8 | 227.4  | 34.2   |
| 47.5° | 3858.3  | 3835.6  | 3700.9  | 3456.5  | 3198.8  | 2780.1  | 2366.9  | 1948.0 | 1157.8 | 132.6  | 22.8   |
| 50°   | 1722.6  | 1696.0  | 1629.8  | 1502.8  | 1353.1  | 1197.7  | 1013.8  | 858.5  | 562.7  | 72.0   | 15.2   |
| 51°   | 1248.9  | 1226.1  | 1176.9  | 1080.1  | 970.2   | 860.4   | 733.4   | 627.2  | 420.7  | 58.8   | 13.3   |
| 52°   | 877.4   | 864.1   | 830.0   | 761.8   | 701.2   | 615.9   | 528.7   | 462.3  | 316.5  | 47.3   | 9.4    |
| 53°   | 612.1   | 602.6   | 581.8   | 536.3   | 500.2   | 437.7   | 382.8   | 329.8  | 229.3  | 38.0   | 9.4    |
| 54°   | 415.0   | 409.3   | 396.0   | 365.8   | 335.4   | 301.4   | 261.6   | 231.2  | 161.1  | 30.3   | 7.5    |
| 55°   | 278.5   | 274.8   | 263.4   | 248.2   | 231.2   | 210.3   | 183.9   | 161.1  | 113.8  | 24.6   | 5.6    |
| 57.5° | 102.3   | 102.3   | 98.6    | 92.8    | 87.2    | 81.5    | 73.9    | 66.2   | 53.1   | 15.2   | 5.6    |
| 60°   | 45.4    | 43.6    | 43.6    | 41.7    | 39.8    | 38.0    | 36.1    | 32.2   | 26.5   | 9.4    | 5.6    |
| 61°   | 34.2    | 34.2    | 32.2    | 30.3    | 30.3    | 28.4    | 26.5    | 24.6   | 20.8   | 7.5    | 5.6    |
| 62°   | 24.6    | 24.6    | 24.6    | 22.8    | 22.8    | 20.8    | 20.8    | 18.9   | 15.2   | 5.6    | 5.6    |
| 63°   | 18.9    | 18.9    | 18.9    | 17.1    | 17.1    | 17.1    | 15.2    | 15.2   | 11.4   | 5.6    | 5.6    |
| 64°   | 13.3    | 13.3    | 13.3    | 13.3    | 13.3    | 13.3    | 11.4    | 11.4   | 9.4    | 3.7    | 5.6    |
| 65°   | 9.4     | 9.4     | 9.4     | 9.4     | 9.4     | 9.4     | 9.4     | 9.4    | 7.5    | 3.7    | 5.6    |
| 66°   | 7.5     | 7.5     | 7.5     | 7.5     | 7.5     | 7.5     | 5.6     | 5.6    | 5.6    | 3.7    | 5.6    |



TEST NUMBER: P1212828

CATALOG NUMBER: LDA4A35950D010TE LAR35FL 4LA1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 22.5° | 45° | 67.5° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-------|-----|-------|
| 72.5° | 1.9 | 1.9  | 1.9 | 1.9  | 1.9 | 1.9   | 1.9 | 1.9   | 1.9   | 3.7 | 5.6   |
| 75°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 1.9 | 1.9   | 1.9   | 3.7 | 5.6   |
| 77.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 1.9   | 1.9 | 1.9   | 1.9   | 3.7 | 5.6   |
| 80°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 1.9   | 1.9 | 1.9   | 1.9   | 3.7 | 5.6   |
| 82.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 1.9 | 1.9   | 1.9   | 3.7 | 5.6   |
| 85°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 1.9 | 1.9   | 1.9   | 3.7 | 5.6   |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 1.9 | 1.9   | 1.9   | 3.7 | 5.6   |
| 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):**

|       | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|--------|-------|--------|-------|
| 0°    | 739.1 | 739.1  | 739.1 | 739.1  | 739.1 |
| 2.5°  | 680.4 | 475.7  | 379.0 | 343.1  | 331.7 |
| 5°    | 615.9 | 356.2  | 282.5 | 242.6  | 227.4 |
| 7.5°  | 517.3 | 293.7  | 212.2 | 176.3  | 164.8 |
| 10°   | 418.8 | 242.6  | 172.4 | 144.0  | 136.6 |
| 12.5° | 358.1 | 210.3  | 161.1 | 149.7  | 149.7 |
| 15°   | 333.5 | 221.7  | 223.6 | 269.0  | 301.4 |
| 17.5° | 343.1 | 346.8  | 541.9 | 659.5  | 680.4 |
| 20°   | 492.8 | 623.5  | 617.8 | 560.9  | 543.8 |
| 22.5° | 570.4 | 411.2  | 310.8 | 255.7  | 246.4 |
| 25°   | 282.5 | 187.6  | 161.1 | 147.8  | 145.9 |
| 26°   | 214.0 | 157.4  | 140.3 | 132.6  | 128.9 |
| 27°   | 178.2 | 138.4  | 125.1 | 115.6  | 111.7 |
| 28°   | 159.2 | 123.1  | 108.0 | 98.6   | 94.8  |
| 29°   | 144.0 | 106.1  | 90.9  | 81.5   | 79.7  |
| 30°   | 127.0 | 89.0   | 75.8  | 66.2   | 64.4  |
| 31°   | 108.0 | 73.9   | 60.6  | 55.0   | 51.1  |
| 32°   | 90.9  | 60.6   | 49.2  | 43.6   | 39.8  |
| 33°   | 75.8  | 49.2   | 41.7  | 36.1   | 32.2  |
| 34°   | 64.4  | 41.7   | 34.2  | 28.4   | 26.5  |
| 35°   | 53.1  | 34.2   | 28.4  | 24.6   | 22.8  |
| 36°   | 45.4  | 30.3   | 22.8  | 18.9   | 17.1  |
| 37°   | 39.8  | 24.6   | 18.9  | 15.2   | 15.2  |
| 38°   | 34.2  | 20.8   | 17.1  | 11.4   | 11.4  |
| 39°   | 28.4  | 17.1   | 13.3  | 9.4    | 9.4   |
| 40°   | 24.6  | 15.2   | 11.4  | 7.5    | 5.6   |
| 42.5° | 17.1  | 9.4    | 7.5   | 3.7    | 1.9   |
| 45°   | 11.4  | 7.5    | 3.7   | 1.9    | 0.0   |
| 47.5° | 7.5   | 5.6    | 3.7   | 1.9    | 0.0   |
| 50°   | 5.6   | 5.6    | 3.7   | 0.0    | 0.0   |
| 51°   | 5.6   | 3.7    | 3.7   | 0.0    | 0.0   |
| 52°   | 5.6   | 3.7    | 1.9   | 0.0    | 0.0   |
| 53°   | 5.6   | 3.7    | 1.9   | 0.0    | 0.0   |
| 54°   | 5.6   | 3.7    | 1.9   | 0.0    | 0.0   |
| 55°   | 5.6   | 3.7    | 1.9   | 0.0    | 0.0   |
| 57.5° | 5.6   | 3.7    | 1.9   | 0.0    | 0.0   |
| 60°   | 5.6   | 3.7    | 3.7   | 0.0    | 0.0   |
| 61°   | 5.6   | 5.6    | 3.7   | 0.0    | 0.0   |
| 62°   | 5.6   | 5.6    | 3.7   | 0.0    | 0.0   |
| 63°   | 5.6   | 5.6    | 3.7   | 0.0    | 0.0   |
| 64°   | 5.6   | 5.6    | 3.7   | 1.9    | 0.0   |
| 65°   | 5.6   | 5.6    | 3.7   | 1.9    | 0.0   |
| 66°   | 5.6   | 5.6    | 3.7   | 1.9    | 0.0   |

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TEST NUMBER: P1212828

CATALOG NUMBER: LDA4A35950D010TE LAR35FL 4LA1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

|       | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-----|--------|------|--------|------|
| 72.5° | 5.6 | 5.6    | 3.7  | 1.9    | 0.0  |
| 75°   | 5.6 | 5.6    | 3.7  | 1.9    | 0.0  |
| 77.5° | 7.5 | 5.6    | 3.7  | 1.9    | 0.0  |
| 80°   | 7.5 | 5.6    | 3.7  | 1.9    | 0.0  |
| 82.5° | 7.5 | 5.6    | 3.7  | 1.9    | 0.0  |
| 85°   | 7.5 | 5.6    | 3.7  | 1.9    | 0.0  |
| 87.5° | 7.5 | 5.6    | 3.7  | 1.9    | 0.0  |
| 90°   | 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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— 0°-180°    - - 45°-225°    - - - 90°-270°

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|       |     |     |     |     |     |     |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 67.5° | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 5.6 |
| 70°   | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 3.7 | 5.6 |

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|       |     |     |     |     |     |
|-------|-----|-----|-----|-----|-----|
| 67.5° | 5.6 | 5.6 | 3.7 | 1.9 | 0.0 |
| 70°   | 5.6 | 5.6 | 3.7 | 1.9 | 0.0 |

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(END OF REPORT)