

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: P1191931

Luminaire Tested: **LDA4A35940D010TE LAR25NF 4LAL1 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: P1191931  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26105)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA4A35940D010TE LAR25NF 4LAL1 30° Tilt  
Description: PORTFOLIO 4" Lensed Adjustable, Self-flanged, 25° Narrow Flood  
Optic, at 30° tilt. --- 27.9W  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

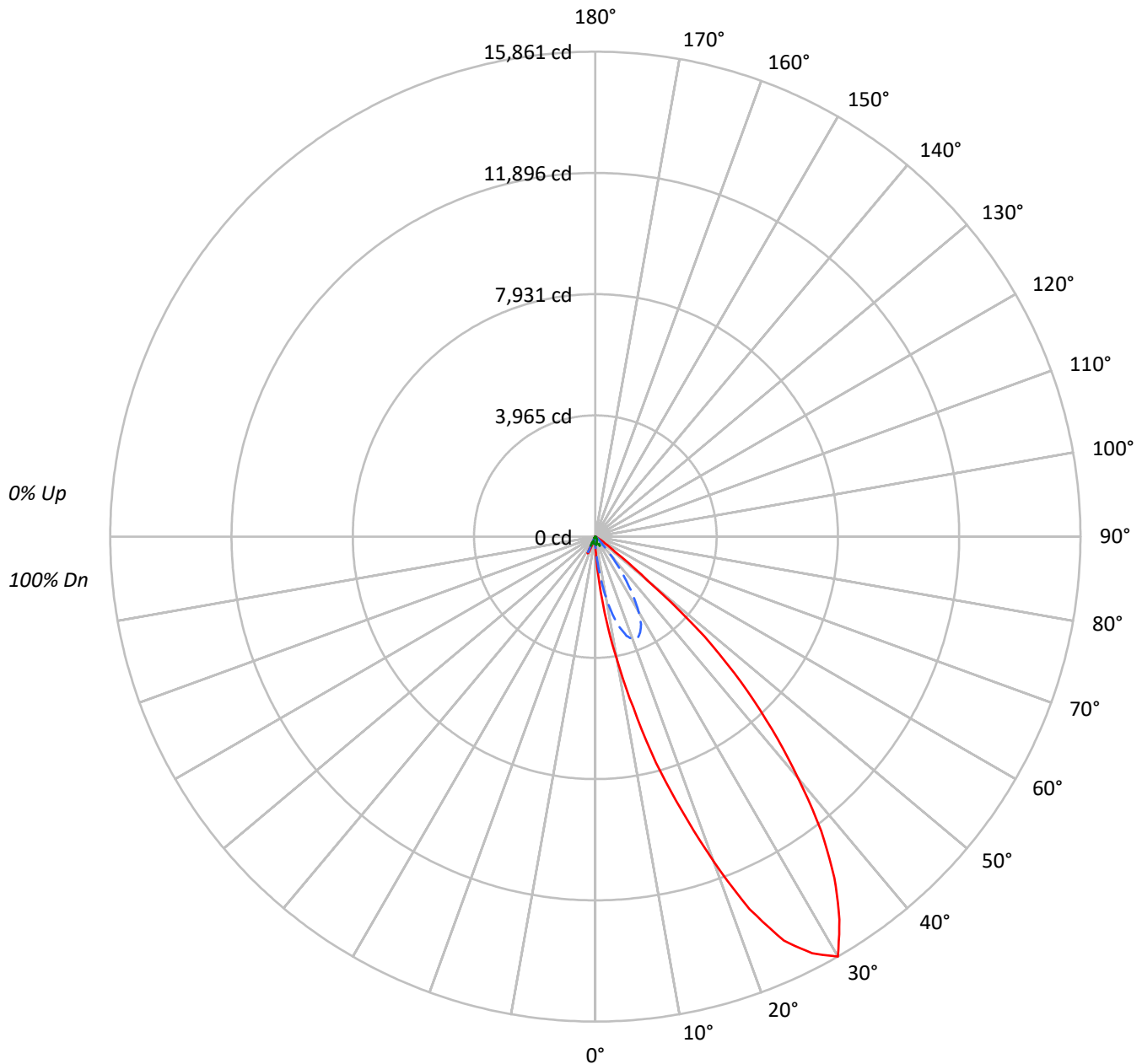
Lumens per Lamp: N/A  
Luminaire Lumens: 4128.6 lumens  
Efficiency: N/A  
Efficacy: 87.7 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 1.09 / 1.29  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

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

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### Luminous Intensity Polar Plot



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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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 98  | 96  |  | 96  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  |  | 92  | 89  | 86  |  | 89  |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  |  | 84  | 81  | 77  |  | 82  |
| 4   | 92  | 83  | 77  | 72  | 90  | 82  | 76  | 71  | 80  | 74  | 70  |  | 78  | 73  | 69  |  | 76  |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 69  | 64  | 73  | 67  | 63  |  | 71  | 66  | 62  |  | 70  |
| 6   | 80  | 70  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  |  | 66  | 60  | 56  |  | 64  |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 56  | 51  | 62  | 56  | 51  |  | 61  | 55  | 51  |  | 59  |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  |  | 56  | 50  | 46  |  | 55  |
| 9   | 66  | 54  | 47  | 42  | 64  | 54  | 47  | 42  | 53  | 46  | 42  |  | 52  | 46  | 42  |  | 51  |
| 10  | 62  | 50  | 43  | 38  | 60  | 50  | 43  | 38  | 49  | 42  | 38  |  | 48  | 42  | 38  |  | 47  |

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

|     | 0°      | 90°   | 180°  |
|-----|---------|-------|-------|
| 0°  | 37904   | 37904 | 37904 |
| 5°  | 194863  | 35226 | 16455 |
| 10° | 513606  | 29383 | 8592  |
| 15° | 977570  | 23075 | 6615  |
| 20° | 1484793 | 19072 | 17720 |
| 25° | 1983993 | 45484 | 81958 |
| 30° | 2259039 | 17148 | 16564 |
| 35° | 2051885 | 9682  | 7514  |
| 40° | 1661897 | 4347  | 3011  |
| 45° | 1176002 | 2529  | 733   |
| 50° | 429089  | 1593  | 0     |
| 55° | 89309   | 1333  | 0     |
| 60° | 21536   | 1529  | 0     |
| 65° | 6684    | 1810  | 0     |
| 70° | 2236    | 2236  | 0     |
| 75° | 1001    | 2955  | 0     |
| 80° | 0       | 4404  | 0     |
| 85° | 0       | 8774  | 0     |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 69.6   | 1.7       |
| 10°-20°   | 519.3  | 12.6      |
| 20°-30°   | 1317.0 | 31.9      |
| 30°-40°   | 1409.5 | 34.1      |
| 40°-50°   | 720.5  | 17.5      |
| 50°-60°   | 75.2   | 1.8       |
| 60°-70°   | 8.7    | 0.2       |
| 70°-80°   | 4.7    | 0.1       |
| 80°-90°   | 4.2    | 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°    | 1905.9 | 46.2      |
| 0°-40°    | 3315.4 | 80.3      |
| 0°-60°    | 4111.1 | 99.6      |
| 0°-90°    | 4128.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4128.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 45°  | 90° | 135° | 180° | Flux |
|-----|-------|------|-----|------|------|------|
| 0°  | 307   | 307  | 307 | 307  | 307  |      |
| 5°  | 1574  | 856  | 284 | 164  | 133  | 230  |
| 15° | 7655  | 3077 | 181 | 64   | 52   | 2262 |
| 25° | 14578 | 3465 | 334 | 561  | 602  | 6624 |
| 35° | 13627 | 1756 | 64  | 50   | 50   | 8366 |
| 45° | 6742  | 235  | 14  | 8    | 4    | 5031 |
| 55° | 415   | 37   | 6   | 4    | 0    | 563  |
| 65° | 23    | 8    | 6   | 4    | 0    | 30   |
| 75° | 2     | 4    | 6   | 6    | 0    | 2    |
| 85° | 0     | 4    | 6   | 6    | 0    | 0    |
| 90° | 0     | 0    | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 1°      | 2°      | 3°      | 4°      | 5°      | 6°      | 7°      | 8°      | 9°      | 10°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   |
| 2.5°  | 620.9   | 627.0   | 581.4   | 595.8   | 606.2   | 585.4   | 581.4   | 581.4   | 604.1   | 591.8   | 612.6   |
| 5°    | 1573.8  | 1567.7  | 1488.7  | 1511.6  | 1528.2  | 1488.7  | 1507.4  | 1478.3  | 1513.6  | 1490.8  | 1513.6  |
| 7.5°  | 2749.0  | 2821.7  | 2722.0  | 2744.9  | 2759.4  | 2717.9  | 2728.3  | 2686.7  | 2726.2  | 2699.2  | 2717.9  |
| 10°   | 4100.7  | 4175.4  | 4059.2  | 4077.9  | 4088.3  | 4048.8  | 4051.0  | 3996.9  | 4032.1  | 4003.2  | 4015.5  |
| 12.5° | 5716.1  | 5745.2  | 5689.2  | 5703.6  | 5709.8  | 5658.0  | 5560.3  | 5570.7  | 5606.0  | 5556.2  | 5568.6  |
| 15°   | 7655.4  | 7634.6  | 7568.2  | 7615.9  | 7568.2  | 7543.3  | 7395.8  | 7387.5  | 7408.3  | 7352.2  | 7263.0  |
| 17.5° | 9364.1  | 9521.9  | 9447.2  | 9474.1  | 9416.1  | 9416.1  | 9227.1  | 9196.0  | 9198.1  | 9048.6  | 9032.0  |
| 20°   | 11311.7 | 11513.2 | 11330.4 | 11338.7 | 11262.0 | 11259.9 | 11029.3 | 10964.9 | 10938.0 | 10767.7 | 10719.9 |
| 22.5° | 13188.7 | 13246.9 | 13244.8 | 13209.5 | 13028.9 | 13132.7 | 12844.1 | 12742.4 | 12659.2 | 12466.2 | 12370.6 |
| 25°   | 14577.8 | 14760.5 | 14635.9 | 14546.6 | 14388.9 | 14519.7 | 14195.7 | 14062.9 | 13938.3 | 13776.3 | 13651.7 |
| 27.5° | 15362.7 | 15532.9 | 15503.9 | 15370.9 | 15208.9 | 15335.7 | 14980.6 | 14808.2 | 14631.8 | 14513.3 | 14357.7 |
| 30°   | 15861.0 | 16120.5 | 16035.3 | 15746.8 | 15510.0 | 15551.6 | 15152.9 | 14922.5 | 14727.3 | 14604.8 | 14407.6 |
| 32.5° | 14849.8 | 15117.6 | 15092.8 | 14883.0 | 14760.5 | 14862.2 | 14515.4 | 14287.1 | 14100.3 | 14002.6 | 13782.5 |
| 35°   | 13626.8 | 13940.4 | 13871.8 | 13697.5 | 13608.1 | 13726.4 | 13388.1 | 13197.0 | 13008.1 | 12922.9 | 12682.1 |
| 37.5° | 12129.8 | 12424.6 | 12356.2 | 12190.1 | 12102.8 | 12190.1 | 11866.1 | 11689.6 | 11511.1 | 11421.9 | 11257.7 |
| 40°   | 10321.3 | 10580.8 | 10508.2 | 10354.5 | 10281.9 | 10344.2 | 10063.9 | 9910.2  | 9758.6  | 9692.2  | 9474.1  |
| 42.5° | 8554.4  | 8762.1  | 8695.6  | 8562.7  | 8506.7  | 8548.1  | 8317.7  | 8180.7  | 8047.8  | 7991.8  | 7862.9  |
| 45°   | 6741.7  | 6947.3  | 6882.9  | 6768.7  | 6716.9  | 6739.6  | 6546.6  | 6424.1  | 6309.9  | 6258.0  | 6141.7  |
| 47.5° | 4837.7  | 5068.3  | 4989.3  | 4891.8  | 4837.7  | 4827.5  | 4657.2  | 4547.2  | 4557.4  | 4381.0  | 4273.1  |
| 50°   | 2236.1  | 2431.3  | 2352.5  | 2300.5  | 2248.7  | 2219.6  | 2159.3  | 2034.8  | 2070.1  | 1910.2  | 1848.0  |
| 52.5° | 811.8   | 859.6   | 840.9   | 824.3   | 807.7   | 801.4   | 780.7   | 749.6   | 753.8   | 714.3   | 695.6   |
| 55°   | 415.3   | 438.1   | 431.9   | 421.5   | 421.5   | 415.3   | 404.9   | 392.4   | 384.1   | 377.9   | 371.6   |
| 57.5° | 191.1   | 203.4   | 199.4   | 195.1   | 195.1   | 191.1   | 186.9   | 180.7   | 184.8   | 174.4   | 172.4   |
| 60°   | 87.3    | 93.4    | 91.3    | 89.2    | 89.2    | 89.2    | 87.3    | 85.1    | 85.1    | 83.0    | 80.9    |
| 62.5° | 41.6    | 45.7    | 43.6    | 43.6    | 43.6    | 43.6    | 41.6    | 41.6    | 41.6    | 41.6    | 39.5    |
| 65°   | 22.9    | 22.9    | 22.9    | 22.9    | 22.9    | 22.9    | 22.9    | 20.8    | 22.9    | 20.8    | 20.8    |
| 67.5° | 12.5    | 12.5    | 12.5    | 12.5    | 10.4    | 12.5    | 12.5    | 10.4    | 10.4    | 10.4    | 10.4    |
| 70°   | 6.2     | 6.2     | 6.2     | 6.2     | 6.2     | 6.2     | 6.2     | 6.2     | 6.2     | 6.2     | 6.2     |
| 72.5° | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 75°   | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 77.5° | 0.0     | 2.1     | 2.1     | 2.1     | 0.0     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     |
| 80°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 0.0     | 0.0     | 2.1     | 0.0     | 2.1     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 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     | 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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CATALOG NUMBER: LDA4A35940D010TE LAR25NF 4LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

|       | 11°     | 12°     | 13°     | 14°     | 15°     | 17.5°   | 20°     | 22.5°   | 45°    | 67.5° | 90°   |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|--------|-------|-------|
| 0°    | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3   | 307.3  | 307.3 | 307.3 |
| 2.5°  | 564.8   | 579.3   | 593.9   | 589.7   | 568.9   | 566.8   | 558.5   | 562.7   | 438.1  | 355.0 | 296.9 |
| 5°    | 1432.6  | 1451.3  | 1470.0  | 1459.6  | 1407.8  | 1395.3  | 1353.7  | 1345.4  | 855.5  | 419.4 | 284.5 |
| 7.5°  | 2618.2  | 2628.6  | 2643.2  | 2630.7  | 2553.8  | 2518.5  | 2431.3  | 2346.3  | 1438.8 | 506.6 | 263.7 |
| 10°   | 3903.4  | 3899.4  | 3905.5  | 3889.0  | 3793.4  | 3724.9  | 3590.0  | 3529.7  | 2038.9 | 581.4 | 234.6 |
| 12.5° | 5402.5  | 5386.0  | 5294.6  | 5338.2  | 5203.2  | 5064.1  | 4841.9  | 4655.1  | 2605.8 | 622.8 | 207.7 |
| 15°   | 7152.8  | 7103.1  | 7069.8  | 7019.9  | 6853.9  | 6629.6  | 6291.2  | 6083.5  | 3077.0 | 618.7 | 180.7 |
| 17.5° | 8892.9  | 8811.8  | 8666.6  | 8685.2  | 8492.1  | 8178.6  | 7732.1  | 7377.1  | 3403.1 | 566.8 | 159.9 |
| 20°   | 10539.4 | 10419.0 | 10236.2 | 10221.7 | 9989.1  | 9576.0  | 9013.3  | 8573.1  | 3581.7 | 481.8 | 145.3 |
| 22.5° | 12125.6 | 11938.7 | 11693.7 | 11617.0 | 11318.0 | 10732.4 | 9997.5  | 9461.8  | 3598.3 | 402.8 | 174.4 |
| 25°   | 13375.6 | 13141.0 | 12869.0 | 12736.1 | 12405.9 | 11658.4 | 10742.8 | 10084.6 | 3465.4 | 398.6 | 334.2 |
| 27.5° | 14073.2 | 13807.5 | 13535.5 | 13354.8 | 13020.6 | 12173.4 | 11137.3 | 10377.4 | 3236.9 | 427.7 | 317.7 |
| 30°   | 14110.5 | 13811.6 | 13529.3 | 13300.9 | 12968.6 | 12063.4 | 10963.0 | 10171.8 | 2825.8 | 269.9 | 120.4 |
| 32.5° | 13489.8 | 13170.1 | 12887.7 | 12630.3 | 12302.2 | 11390.7 | 10310.9 | 9555.2  | 2298.5 | 189.0 | 85.1  |
| 35°   | 12403.9 | 12073.8 | 11803.9 | 11531.9 | 11224.6 | 10367.0 | 9376.6  | 8672.7  | 1756.5 | 149.5 | 64.3  |
| 37.5° | 10925.6 | 10620.3 | 10381.6 | 10196.7 | 9864.6  | 9181.5  | 8276.1  | 7530.8  | 1241.6 | 105.9 | 39.5  |
| 40°   | 9270.7  | 9013.3  | 8818.2  | 8658.3  | 8350.9  | 7744.6  | 6831.1  | 6202.0  | 753.8  | 74.7  | 27.0  |
| 42.5° | 7605.5  | 7364.7  | 7192.3  | 7040.7  | 6756.4  | 6220.6  | 5469.0  | 4837.7  | 361.2  | 51.8  | 18.7  |
| 45°   | 5915.3  | 5699.4  | 5554.1  | 5417.1  | 5161.7  | 4634.3  | 4038.4  | 3581.7  | 234.6  | 37.4  | 14.5  |
| 47.5° | 4040.6  | 3928.4  | 3689.6  | 3540.1  | 3278.5  | 2875.7  | 2317.2  | 1814.7  | 155.7  | 27.0  | 10.4  |
| 50°   | 1679.8  | 1621.6  | 1463.8  | 1362.1  | 1212.6  | 1006.9  | 730.9   | 612.6   | 95.5   | 18.7  | 8.3   |
| 52.5° | 651.9   | 637.4   | 598.0   | 575.2   | 537.8   | 483.7   | 402.8   | 359.3   | 58.2   | 14.5  | 8.3   |
| 55°   | 351.0   | 346.7   | 326.0   | 313.6   | 292.8   | 265.8   | 218.1   | 191.1   | 37.4   | 10.4  | 6.2   |
| 57.5° | 162.0   | 159.9   | 149.5   | 149.5   | 135.0   | 124.6   | 103.8   | 93.4    | 22.9   | 8.3   | 6.2   |
| 60°   | 76.9    | 76.9    | 72.6    | 72.6    | 66.5    | 62.2    | 51.8    | 47.8    | 14.5   | 6.2   | 6.2   |
| 62.5° | 37.4    | 37.4    | 37.4    | 37.4    | 35.3    | 33.2    | 29.1    | 27.0    | 10.4   | 6.2   | 6.2   |
| 65°   | 20.8    | 20.8    | 20.8    | 20.8    | 18.7    | 18.7    | 16.6    | 14.5    | 8.3    | 6.2   | 6.2   |
| 67.5° | 10.4    | 10.4    | 10.4    | 10.4    | 10.4    | 10.4    | 8.3     | 8.3     | 6.2    | 6.2   | 6.2   |
| 70°   | 6.2     | 6.2     | 6.2     | 6.2     | 6.2     | 4.2     | 4.2     | 4.2     | 4.2    | 6.2   | 6.2   |
| 72.5° | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 4.2    | 6.2   | 6.2   |
| 75°   | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 4.2    | 6.2   | 6.2   |
| 77.5° | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 4.2    | 6.2   | 6.2   |
| 80°   | 0.0     | 0.0     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 4.2    | 6.2   | 6.2   |
| 82.5° | 0.0     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 4.2    | 6.2   | 6.2   |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 2.1     | 2.1     | 2.1     | 2.1     | 4.2    | 6.2   | 6.2   |
| 87.5° | 0.0     | 0.0     | 0.0     | 2.1     | 2.1     | 2.1     | 2.1     | 2.1     | 4.2    | 6.2   | 6.2   |
| 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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Peachtree City, GA 30269



TEST NUMBER: P1191931

CATALOG NUMBER: LDA4A35940D010TE LAR25NF 4LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135°  | 157.5° | 180°  |
|-------|--------|-------|--------|-------|
| 0°    | 307.3  | 307.3 | 307.3  | 307.3 |
| 2.5°  | 255.4  | 222.1 | 205.5  | 201.3 |
| 5°    | 209.8  | 164.0 | 141.2  | 132.9 |
| 7.5°  | 170.3  | 118.3 | 99.6   | 91.3  |
| 10°   | 135.0  | 93.4  | 74.7   | 68.6  |
| 12.5° | 112.1  | 74.7  | 60.3   | 56.1  |
| 15°   | 95.5   | 64.3  | 53.9   | 51.8  |
| 17.5° | 87.3   | 68.6  | 64.3   | 66.5  |
| 20°   | 105.9  | 112.1 | 130.8  | 135.0 |
| 22.5° | 224.2  | 388.3 | 527.4  | 558.5 |
| 25°   | 467.2  | 560.6 | 581.4  | 602.2 |
| 27.5° | 259.5  | 201.3 | 197.3  | 205.5 |
| 30°   | 105.9  | 107.9 | 112.1  | 116.3 |
| 32.5° | 79.0   | 79.0  | 76.9   | 79.0  |
| 35°   | 53.9   | 49.9  | 47.8   | 49.9  |
| 37.5° | 33.2   | 31.2  | 29.1   | 29.1  |
| 40°   | 22.9   | 20.8  | 18.7   | 18.7  |
| 42.5° | 16.6   | 12.5  | 10.4   | 10.4  |
| 45°   | 12.5   | 8.3   | 6.2    | 4.2   |
| 47.5° | 10.4   | 6.2   | 2.1    | 2.1   |
| 50°   | 8.3    | 4.2   | 2.1    | 0.0   |
| 52.5° | 6.2    | 4.2   | 2.1    | 0.0   |
| 55°   | 6.2    | 4.2   | 0.0    | 0.0   |
| 57.5° | 6.2    | 4.2   | 0.0    | 0.0   |
| 60°   | 6.2    | 4.2   | 2.1    | 0.0   |
| 62.5° | 6.2    | 4.2   | 2.1    | 2.1   |
| 65°   | 6.2    | 4.2   | 2.1    | 0.0   |
| 67.5° | 6.2    | 4.2   | 2.1    | 0.0   |
| 70°   | 6.2    | 4.2   | 2.1    | 0.0   |
| 72.5° | 8.3    | 4.2   | 2.1    | 0.0   |
| 75°   | 8.3    | 6.2   | 2.1    | 0.0   |
| 77.5° | 8.3    | 6.2   | 2.1    | 0.0   |
| 80°   | 8.3    | 6.2   | 2.1    | 0.0   |
| 82.5° | 8.3    | 6.2   | 2.1    | 0.0   |
| 85°   | 8.3    | 6.2   | 2.1    | 0.0   |
| 87.5° | 8.3    | 6.2   | 2.1    | 0.0   |
| 90°   | 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



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1121 Highway 74 South

Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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

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(END OF REPORT)