

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: P1191721

Luminaire Tested: **LDA4A25930D010TE LAR35FL 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: P1191721  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26106)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA4A25930D010TE LAR35FL 4LAL1 30° Tilt  
Description: PORTFOLIO 4" Lensed Adjustable, Self-flanged, 35° Flood Optic, at 30° tilt. --- 27.9W  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

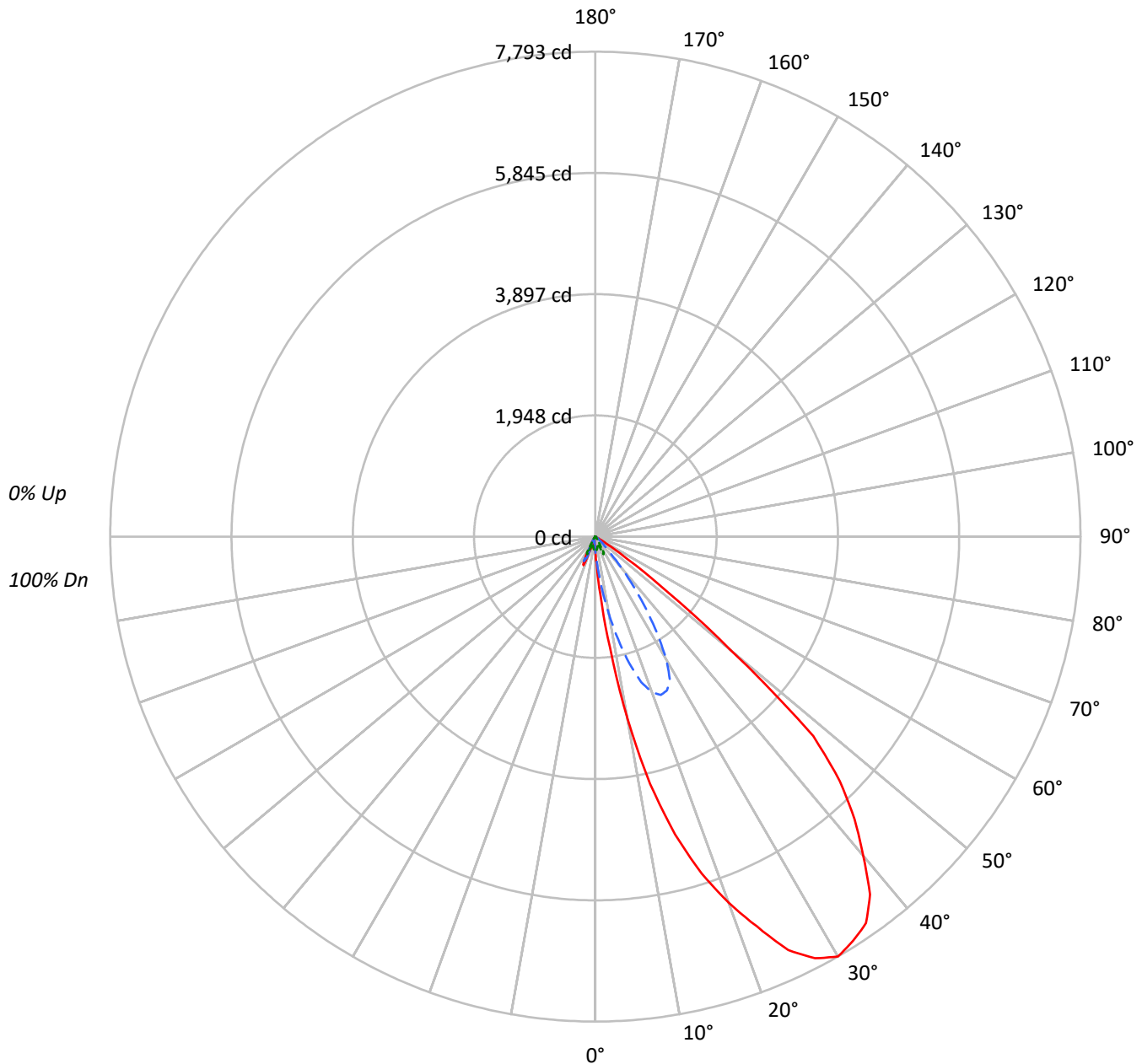
Lumens per Lamp: N/A  
Luminaire Lumens: 2832.5 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Spacing Criteria (0/90/45): 2.71 / 1.11 / 1.33  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.9  
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: P1191721

CATALOG NUMBER: LDA4A25930D010TE LAR35FL 4LAL1 30° Tilt

### 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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 97  | 96  | 95  | 94  | 93  | 91  |    |    |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 86  | 83  | 82  |    |    |
| 3   | 98  | 90  | 84  | 79  | 96  | 89  | 83  | 79  | 86  | 81  | 77  | 84  | 79  | 76  | 81  | 78  | 75  | 73  |    |    |
| 4   | 91  | 82  | 75  | 70  | 89  | 81  | 75  | 70  | 79  | 73  | 69  | 77  | 72  | 68  | 75  | 70  | 67  | 65  |    |    |
| 5   | 85  | 75  | 68  | 62  | 83  | 74  | 67  | 62  | 72  | 66  | 61  | 70  | 65  | 61  | 68  | 64  | 60  | 58  |    |    |
| 6   | 79  | 68  | 61  | 56  | 78  | 67  | 60  | 55  | 66  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 52  |    |    |
| 7   | 74  | 62  | 55  | 50  | 72  | 62  | 55  | 50  | 60  | 54  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 47  |    |    |
| 8   | 69  | 57  | 50  | 45  | 68  | 57  | 50  | 45  | 55  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 42  |    |    |
| 9   | 64  | 53  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 38  |    |    |
| 10  | 60  | 48  | 41  | 37  | 59  | 48  | 41  | 37  | 47  | 41  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 35  |    |    |

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

|     | 0°      | 90°   | 180°  |
|-----|---------|-------|-------|
| 0°  | 28715   | 28715 | 28715 |
| 5°  | 115682  | 27116 | 12691 |
| 10° | 372940  | 22745 | 7289  |
| 15° | 632661  | 18056 | 5670  |
| 20° | 822263  | 16185 | 17103 |
| 25° | 997835  | 42639 | 60563 |
| 30° | 1109993 | 15012 | 15995 |
| 35° | 1141782 | 8989  | 7514  |
| 40° | 1078085 | 3784  | 2689  |
| 45° | 968928  | 2180  | 715   |
| 50° | 545299  | 1343  | 0     |
| 55° | 135350  | 882   | 0     |
| 60° | 20870   | 1011  | 0     |
| 65° | 4874    | 1197  | 0     |
| 70° | 974     | 1479  | 0     |
| 75° | 0       | 1954  | 0     |
| 80° | 0       | 3978  | 0     |
| 85° | 0       | 7925  | 1981  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 46.8   | 1.7       |
| 10°-20°   | 347.6  | 12.3      |
| 20°-30°   | 803.0  | 28.3      |
| 30°-40°   | 900.7  | 31.8      |
| 40°-50°   | 628.5  | 22.2      |
| 50°-60°   | 93.8   | 3.3       |
| 60°-70°   | 6.1    | 0.2       |
| 70°-80°   | 3.0    | 0.1       |
| 80°-90°   | 3.0    | 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°    | 1197.4 | 42.3      |
| 0°-40°    | 2098.1 | 74.1      |
| 0°-60°    | 2820.4 | 99.6      |
| 0°-90°    | 2832.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2832.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 233  | 233  | 233 | 233  | 233  |      |
| 5°  | 934  | 546  | 219 | 128  | 102  | 155  |
| 15° | 4954 | 2108 | 141 | 54   | 44   | 1416 |
| 25° | 7332 | 2725 | 313 | 437  | 445  | 3352 |
| 35° | 7583 | 1417 | 60  | 50   | 50   | 4664 |
| 45° | 5555 | 214  | 12  | 7    | 4    | 4075 |
| 55° | 629  | 28   | 4   | 3    | 0    | 827  |
| 65° | 17   | 4    | 4   | 3    | 0    | 26   |
| 75° | 0    | 3    | 4   | 4    | 0    | 1    |
| 85° | 0    | 3    | 6   | 4    | 1    | 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°    | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  |
| 2.5°  | 424.2  | 420.1  | 409.0  | 406.1  | 415.8  | 407.5  | 411.7  | 420.1  | 411.7  | 402.0  | 411.7  |
| 5°    | 934.3  | 957.9  | 934.3  | 930.2  | 946.8  | 931.6  | 938.4  | 953.8  | 932.9  | 913.5  | 927.4  |
| 7.5°  | 1803.5 | 1818.7 | 1752.2 | 1775.7 | 1770.2 | 1774.3 | 1778.6 | 1778.6 | 1766.0 | 1731.4 | 1750.8 |
| 10°   | 2977.6 | 2988.7 | 2900.0 | 2930.5 | 2890.3 | 2930.5 | 2923.6 | 2893.0 | 2900.0 | 2852.8 | 2877.8 |
| 12.5° | 4067.2 | 4103.3 | 4014.5 | 4043.6 | 3995.2 | 4040.9 | 4022.8 | 4014.5 | 3943.8 | 3943.8 | 3970.1 |
| 15°   | 4954.4 | 5036.1 | 4955.8 | 4986.3 | 4930.9 | 4994.5 | 4944.7 | 4966.9 | 4903.1 | 4824.1 | 4893.4 |
| 17.5° | 5672.5 | 5752.8 | 5678.0 | 5715.4 | 5664.1 | 5714.1 | 5655.8 | 5703.0 | 5621.1 | 5564.3 | 5611.4 |
| 20°   | 6264.3 | 6324.0 | 6235.3 | 6288.0 | 6227.0 | 6276.8 | 6213.1 | 6275.4 | 6179.9 | 6138.2 | 6165.9 |
| 22.5° | 6780.1 | 6803.6 | 6757.9 | 6846.6 | 6727.4 | 6780.1 | 6703.8 | 6767.6 | 6653.9 | 6601.2 | 6608.2 |
| 25°   | 7331.8 | 7384.4 | 7297.1 | 7330.3 | 7247.2 | 7283.2 | 7197.3 | 7256.9 | 7115.5 | 7040.7 | 7025.4 |
| 27.5° | 7638.1 | 7713.0 | 7635.3 | 7672.8 | 7588.2 | 7618.7 | 7532.8 | 7618.7 | 7474.6 | 7401.1 | 7384.4 |
| 30°   | 7793.4 | 7829.4 | 7779.5 | 7804.5 | 7708.8 | 7724.1 | 7635.3 | 7728.2 | 7584.1 | 7518.9 | 7510.6 |
| 32.5° | 7703.3 | 7775.3 | 7710.2 | 7742.1 | 7653.4 | 7668.7 | 7582.7 | 7682.5 | 7538.4 | 7478.7 | 7449.6 |
| 35°   | 7582.7 | 7656.1 | 7595.2 | 7628.4 | 7546.6 | 7557.7 | 7466.2 | 7553.6 | 7387.3 | 7313.8 | 7251.3 |
| 37.5° | 7248.6 | 7317.9 | 7266.7 | 7277.7 | 7198.7 | 7190.4 | 7091.9 | 7165.4 | 7003.2 | 6940.9 | 6899.3 |
| 40°   | 6695.5 | 6757.9 | 6716.3 | 6739.8 | 6660.8 | 6642.8 | 6576.3 | 6644.2 | 6518.1 | 6472.3 | 6414.1 |
| 42.5° | 6165.9 | 6217.2 | 6178.4 | 6215.9 | 6127.2 | 6103.6 | 6044.0 | 6129.9 | 5987.1 | 5949.7 | 5908.2 |
| 45°   | 5554.6 | 5586.5 | 5556.0 | 5587.9 | 5503.3 | 5465.9 | 5411.8 | 5485.3 | 5345.3 | 5310.7 | 5220.5 |
| 47.5° | 4746.5 | 4711.7 | 4706.2 | 4736.8 | 4631.4 | 4553.8 | 4503.8 | 4598.1 | 4395.7 | 4327.8 | 4223.9 |
| 50°   | 2841.7 | 2900.0 | 2924.9 | 2904.1 | 2832.1 | 2725.4 | 2644.9 | 2760.0 | 2651.9 | 2485.5 | 2319.1 |
| 52.5° | 1463.9 | 1398.7 | 1412.6 | 1419.5 | 1333.6 | 1301.7 | 1275.3 | 1301.7 | 1217.1 | 1174.1 | 1068.7 |
| 55°   | 629.4  | 598.8  | 609.9  | 614.0  | 597.5  | 558.6  | 544.8  | 561.5  | 522.6  | 506.0  | 463.0  |
| 57.5° | 232.8  | 232.8  | 226.0  | 228.7  | 223.2  | 209.3  | 206.5  | 213.5  | 201.1  | 196.8  | 180.3  |
| 60°   | 84.6   | 84.6   | 84.6   | 84.6   | 77.6   | 76.2   | 76.2   | 79.0   | 74.9   | 73.5   | 67.9   |
| 62.5° | 36.0   | 37.4   | 34.6   | 36.0   | 34.6   | 33.3   | 34.6   | 33.3   | 33.3   | 31.9   | 31.9   |
| 65°   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 16.7   | 15.2   | 15.2   |
| 67.5° | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 8.3    | 7.0    | 7.0    | 7.0    |
| 70°   | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    |
| 72.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    |
| 75°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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    | 0.0    | 0.0    | 0.0    | 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: LDA4A25930D010TE LAR35FL 4LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

|       | 11°    | 12°    | 13°    | 14°    | 15°    | 17.5°  | 20°    | 22.5°  | 45°    | 67.5° | 90°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0°    | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8  | 232.8 | 232.8 |
| 2.5°  | 399.3  | 397.9  | 403.4  | 397.9  | 388.2  | 382.6  | 389.5  | 375.7  | 321.6  | 267.6 | 227.3 |
| 5°    | 902.4  | 895.5  | 885.9  | 888.6  | 865.0  | 845.6  | 845.6  | 808.1  | 546.1  | 310.6 | 219.0 |
| 7.5°  | 1710.6 | 1694.0 | 1623.2 | 1674.6 | 1624.6 | 1585.9 | 1559.6 | 1483.2 | 883.0  | 356.3 | 202.4 |
| 10°   | 2825.1 | 2796.0 | 2746.2 | 2755.9 | 2674.0 | 2608.9 | 2529.9 | 2402.3 | 1269.8 | 396.4 | 181.6 |
| 12.5° | 3924.4 | 3895.3 | 3762.2 | 3838.5 | 3728.9 | 3665.2 | 3532.1 | 3382.4 | 1687.0 | 415.8 | 162.2 |
| 15°   | 4857.4 | 4832.4 | 4686.8 | 4758.9 | 4624.4 | 4564.9 | 4392.9 | 4226.6 | 2108.5 | 409.0 | 141.4 |
| 17.5° | 5582.4 | 5578.2 | 5410.5 | 5482.5 | 5334.2 | 5285.7 | 5084.7 | 4921.1 | 2449.4 | 378.5 | 127.6 |
| 20°   | 6141.0 | 6131.3 | 5962.2 | 6034.2 | 5872.0 | 5824.9 | 5569.8 | 5398.0 | 2665.7 | 336.9 | 123.3 |
| 22.5° | 6581.9 | 6562.4 | 6380.8 | 6443.2 | 6261.6 | 6200.7 | 5919.2 | 5740.4 | 2754.4 | 310.6 | 152.5 |
| 25°   | 6978.3 | 6943.6 | 6737.1 | 6785.6 | 6586.0 | 6598.4 | 6175.6 | 5978.8 | 2725.4 | 349.3 | 313.3 |
| 27.5° | 7327.6 | 7265.2 | 7057.3 | 7071.2 | 6836.9 | 6714.9 | 6351.7 | 6134.0 | 2592.2 | 389.5 | 291.1 |
| 30°   | 7457.9 | 7397.0 | 7176.5 | 7184.8 | 6940.9 | 6769.0 | 6380.8 | 6138.2 | 2273.4 | 243.9 | 105.4 |
| 32.5° | 7385.9 | 7319.3 | 7089.2 | 7091.9 | 6841.0 | 6666.3 | 6279.6 | 6012.1 | 1849.2 | 160.8 | 80.4  |
| 35°   | 7176.5 | 7107.2 | 6878.5 | 6889.6 | 6647.0 | 6473.7 | 6095.3 | 5809.6 | 1416.7 | 127.6 | 59.7  |
| 37.5° | 6823.0 | 6774.5 | 6556.8 | 6576.3 | 6369.7 | 6185.3 | 5801.4 | 5492.2 | 999.5  | 91.4  | 37.4  |
| 40°   | 6368.3 | 6330.9 | 6120.2 | 6150.7 | 5926.1 | 5755.7 | 5343.9 | 5008.5 | 622.4  | 62.4  | 23.5  |
| 42.5° | 5836.0 | 5795.8 | 5587.9 | 5611.4 | 5420.2 | 5176.2 | 4756.2 | 4376.4 | 325.8  | 44.4  | 16.7  |
| 45°   | 5172.0 | 5124.8 | 4914.2 | 4926.6 | 4700.8 | 4415.1 | 3979.8 | 3644.4 | 213.5  | 30.5  | 12.5  |
| 47.5° | 4128.2 | 4043.6 | 3769.2 | 3758.1 | 3573.7 | 3106.6 | 2488.3 | 2014.2 | 141.4  | 20.8  | 8.3   |
| 50°   | 2269.3 | 2182.0 | 1940.8 | 1914.4 | 1709.2 | 1402.9 | 1036.9 | 806.8  | 81.7   | 13.8  | 7.0   |
| 52.5° | 1032.7 | 987.0  | 874.8  | 856.7  | 769.4  | 637.7  | 490.7  | 403.4  | 47.1   | 9.7   | 5.6   |
| 55°   | 447.7  | 431.2  | 384.0  | 381.2  | 341.0  | 295.3  | 235.7  | 199.6  | 27.8   | 7.0   | 4.1   |
| 57.5° | 176.0  | 170.5  | 160.8  | 153.9  | 138.6  | 123.3  | 102.5  | 86.0   | 18.1   | 5.6   | 4.1   |
| 60°   | 66.5   | 65.2   | 59.7   | 61.0   | 55.4   | 52.7   | 45.7   | 38.9   | 11.1   | 4.1   | 4.1   |
| 62.5° | 30.5   | 30.5   | 29.1   | 29.1   | 27.8   | 24.9   | 22.2   | 20.8   | 7.0    | 4.1   | 4.1   |
| 65°   | 15.2   | 15.2   | 13.8   | 13.8   | 13.8   | 12.5   | 11.1   | 11.1   | 4.1    | 4.1   | 4.1   |
| 67.5° | 7.0    | 7.0    | 7.0    | 7.0    | 7.0    | 5.6    | 5.6    | 5.6    | 2.7    | 4.1   | 4.1   |
| 70°   | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 2.7    | 4.1   | 4.1   |
| 72.5° | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 4.1   | 4.1   |
| 75°   | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 4.1   | 4.1   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 4.1   | 5.6   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 4.1   | 5.6   |
| 82.5° | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 4.1   | 5.6   |
| 85°   | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 4.1   | 5.6   |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.4    | 1.4    | 1.4    | 1.4    | 1.4    | 2.7    | 4.1   | 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   |

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1191721

CATALOG NUMBER: LDA4A25930D010TE LAR35FL 4LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135°  | 157.5° | 180°  |
|-------|--------|-------|--------|-------|
| 0°    | 232.8  | 232.8 | 232.8  | 232.8 |
| 2.5°  | 195.5  | 173.3 | 153.9  | 149.7 |
| 5°    | 160.8  | 127.6 | 106.8  | 102.5 |
| 7.5°  | 130.3  | 92.9  | 77.6   | 74.9  |
| 10°   | 106.8  | 74.9  | 61.0   | 58.2  |
| 12.5° | 88.7   | 61.0  | 48.5   | 45.7  |
| 15°   | 76.2   | 54.1  | 44.4   | 44.4  |
| 17.5° | 73.5   | 59.7  | 56.8   | 58.2  |
| 20°   | 95.7   | 108.1 | 128.9  | 130.3 |
| 22.5° | 221.8  | 360.4 | 476.9  | 499.1 |
| 25°   | 399.3  | 436.6 | 425.6  | 445.0 |
| 27.5° | 210.7  | 164.9 | 167.7  | 171.9 |
| 30°   | 91.4   | 101.2 | 106.8  | 112.3 |
| 32.5° | 76.2   | 79.0  | 80.4   | 84.6  |
| 35°   | 49.9   | 49.9  | 48.5   | 49.9  |
| 37.5° | 30.5   | 29.1  | 27.8   | 27.8  |
| 40°   | 19.4   | 18.1  | 16.7   | 16.7  |
| 42.5° | 13.8   | 11.1  | 9.7    | 9.7   |
| 45°   | 9.7    | 7.0   | 5.6    | 4.1   |
| 47.5° | 7.0    | 4.1   | 2.7    | 1.4   |
| 50°   | 5.6    | 4.1   | 1.4    | 0.0   |
| 52.5° | 4.1    | 2.7   | 1.4    | 0.0   |
| 55°   | 4.1    | 2.7   | 0.0    | 0.0   |
| 57.5° | 4.1    | 2.7   | 0.0    | 0.0   |
| 60°   | 4.1    | 2.7   | 0.0    | 0.0   |
| 62.5° | 4.1    | 2.7   | 0.0    | 0.0   |
| 65°   | 4.1    | 2.7   | 1.4    | 0.0   |
| 67.5° | 4.1    | 2.7   | 1.4    | 0.0   |
| 70°   | 4.1    | 2.7   | 1.4    | 0.0   |
| 72.5° | 4.1    | 2.7   | 1.4    | 0.0   |
| 75°   | 4.1    | 4.1   | 1.4    | 0.0   |
| 77.5° | 5.6    | 4.1   | 1.4    | 0.0   |
| 80°   | 5.6    | 4.1   | 1.4    | 0.0   |
| 82.5° | 5.6    | 4.1   | 1.4    | 0.0   |
| 85°   | 5.6    | 4.1   | 1.4    | 1.4   |
| 87.5° | 5.6    | 4.1   | 1.4    | 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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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)