

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: P1191481

Luminaire Tested: **LDA4A10940D010TE 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: P1191481  
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: LDA4A10940D010TE 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**

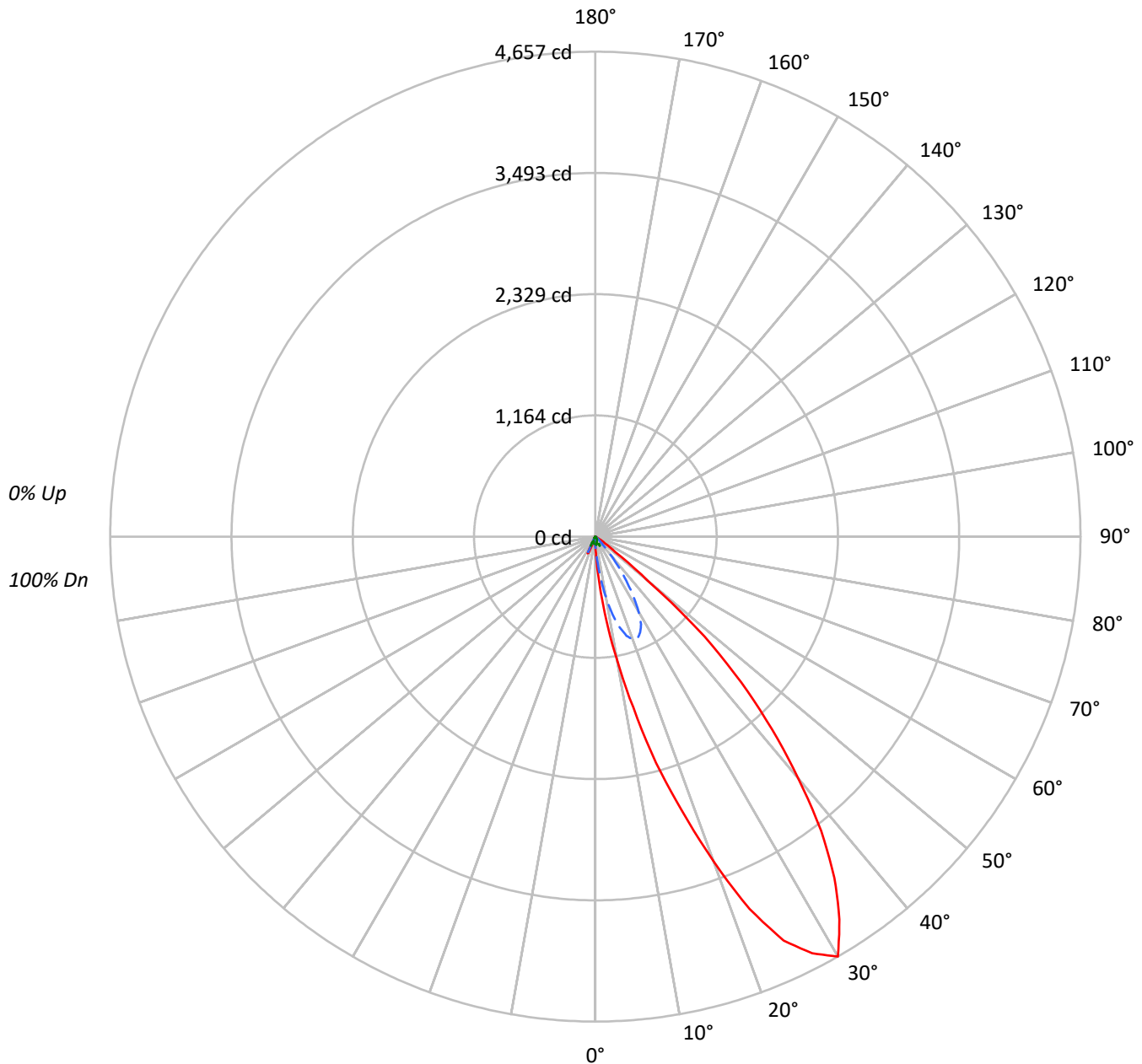
Lumens per Lamp: N/A  
Luminaire Lumens: 1212.1 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Spacing Criteria (0/90/45): 2.53 / 1.09 / 1.29  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.4  
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: P1191481

CATALOG NUMBER: LDA4A10940D010TE LAR25NF 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 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 94  | 93  | 91  |    |    |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  | 92  | 89  | 86  | 89  | 86  | 84  | 83  |    |    |
| 3   | 99  | 91  | 85  | 81  | 97  | 90  | 84  | 80  | 87  | 82  | 79  | 84  | 81  | 77  | 82  | 79  | 76  | 74  |    |    |
| 4   | 92  | 83  | 77  | 72  | 90  | 82  | 76  | 71  | 80  | 74  | 70  | 78  | 73  | 69  | 76  | 72  | 69  | 67  |    |    |
| 5   | 86  | 76  | 69  | 64  | 84  | 75  | 69  | 64  | 73  | 67  | 63  | 71  | 66  | 62  | 70  | 65  | 62  | 60  |    |    |
| 6   | 80  | 70  | 63  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 57  | 66  | 60  | 56  | 64  | 60  | 56  | 54  |    |    |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 56  | 51  | 62  | 56  | 51  | 61  | 55  | 51  | 59  | 54  | 51  | 49  |    |    |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 44  |    |    |
| 9   | 66  | 54  | 47  | 42  | 64  | 54  | 47  | 42  | 53  | 46  | 42  | 52  | 46  | 42  | 51  | 45  | 42  | 40  |    |    |
| 10  | 62  | 50  | 43  | 38  | 60  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 36  |    |    |

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

|     | 0°     | 90°   | 180°  |
|-----|--------|-------|-------|
| 0°  | 11126  | 11126 | 11126 |
| 5°  | 57216  | 10351 | 4829  |
| 10° | 150787 | 8630  | 2517  |
| 15° | 286999 | 6768  | 1954  |
| 20° | 435920 | 5605  | 5198  |
| 25° | 582481 | 13365 | 24062 |
| 30° | 663241 | 5042  | 4857  |
| 35° | 602414 | 2846  | 2198  |
| 40° | 487928 | 1272  | 886   |
| 45° | 345281 | 750   | 227   |
| 50° | 125977 | 461   | 0     |
| 55° | 26214  | 387   | 0     |
| 60° | 6315   | 444   | 0     |
| 65° | 1985   | 525   | 0     |
| 70° | 649    | 649   | 0     |
| 75° | 286    | 858   | 0     |
| 80° | 0      | 1279  | 0     |
| 85° | 0      | 2547  | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 20.4   | 1.7       |
| 10°-20°   | 152.5  | 12.6      |
| 20°-30°   | 386.7  | 31.9      |
| 30°-40°   | 413.8  | 34.1      |
| 40°-50°   | 211.5  | 17.5      |
| 50°-60°   | 22.1   | 1.8       |
| 60°-70°   | 2.5    | 0.2       |
| 70°-80°   | 1.4    | 0.1       |
| 80°-90°   | 1.2    | 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°    | 559.6  | 46.2      |
| 0°-40°    | 973.4  | 80.3      |
| 0°-60°    | 1207.0 | 99.6      |
| 0°-90°    | 1212.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1212.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0°  | 90   | 90   | 90  | 90   | 90   |      |
| 5°  | 462  | 251  | 84  | 48   | 39   | 67   |
| 15° | 2248 | 904  | 53  | 19   | 15   | 664  |
| 25° | 4280 | 1018 | 98  | 165  | 177  | 1945 |
| 35° | 4001 | 516  | 19  | 15   | 15   | 2456 |
| 45° | 1979 | 69   | 4   | 2    | 1    | 1477 |
| 55° | 122  | 11   | 2   | 1    | 0    | 165  |
| 65° | 7    | 2    | 2   | 1    | 0    | 9    |
| 75° | 1    | 1    | 2   | 2    | 0    | 1    |
| 85° | 0    | 1    | 2   | 2    | 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°    | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   |
| 2.5°  | 182.3  | 184.1  | 170.7  | 175.0  | 177.9  | 172.0  | 170.7  | 170.7  | 177.4  | 173.7  | 179.9  |
| 5°    | 462.1  | 460.2  | 437.0  | 443.8  | 448.6  | 437.0  | 442.6  | 434.1  | 444.4  | 437.7  | 444.4  |
| 7.5°  | 807.0  | 828.4  | 799.2  | 805.9  | 810.1  | 798.0  | 801.1  | 788.8  | 800.4  | 792.5  | 798.0  |
| 10°   | 1203.9 | 1225.9 | 1191.7 | 1197.2 | 1200.3 | 1188.7 | 1189.3 | 1173.5 | 1183.8 | 1175.3 | 1179.0 |
| 12.5° | 1678.2 | 1686.7 | 1670.3 | 1674.6 | 1676.4 | 1661.1 | 1632.4 | 1635.5 | 1645.9 | 1631.3 | 1635.0 |
| 15°   | 2247.5 | 2241.5 | 2221.9 | 2235.9 | 2221.9 | 2214.7 | 2171.4 | 2168.9 | 2175.1 | 2158.6 | 2132.4 |
| 17.5° | 2749.3 | 2795.6 | 2773.7 | 2781.6 | 2764.5 | 2764.5 | 2709.0 | 2699.8 | 2700.5 | 2656.7 | 2651.7 |
| 20°   | 3321.0 | 3380.2 | 3326.5 | 3328.9 | 3306.4 | 3305.9 | 3238.1 | 3219.3 | 3211.4 | 3161.3 | 3147.3 |
| 22.5° | 3872.2 | 3889.3 | 3888.6 | 3878.2 | 3825.2 | 3855.6 | 3770.9 | 3741.1 | 3716.7 | 3660.0 | 3632.0 |
| 25°   | 4279.9 | 4333.6 | 4297.0 | 4270.9 | 4224.5 | 4262.9 | 4167.8 | 4128.7 | 4092.2 | 4044.7 | 4008.1 |
| 27.5° | 4510.3 | 4560.4 | 4551.9 | 4512.9 | 4465.3 | 4502.5 | 4398.3 | 4347.7 | 4295.8 | 4261.1 | 4215.3 |
| 30°   | 4656.7 | 4732.9 | 4707.9 | 4623.2 | 4553.7 | 4565.9 | 4448.8 | 4381.2 | 4323.9 | 4288.0 | 4230.0 |
| 32.5° | 4359.8 | 4438.5 | 4431.1 | 4369.6 | 4333.6 | 4363.5 | 4261.7 | 4194.6 | 4139.8 | 4111.2 | 4046.4 |
| 35°   | 4000.7 | 4092.8 | 4072.7 | 4021.5 | 3995.2 | 4030.0 | 3930.7 | 3874.6 | 3819.1 | 3794.1 | 3723.4 |
| 37.5° | 3561.3 | 3647.8 | 3627.6 | 3579.0 | 3553.4 | 3579.0 | 3483.8 | 3432.0 | 3379.6 | 3353.4 | 3305.3 |
| 40°   | 3030.3 | 3106.5 | 3085.1 | 3040.1 | 3018.7 | 3037.0 | 2954.7 | 2909.6 | 2865.0 | 2845.6 | 2781.6 |
| 42.5° | 2511.6 | 2572.5 | 2553.0 | 2514.0 | 2497.6 | 2509.7 | 2442.0 | 2401.8 | 2362.8 | 2346.4 | 2308.5 |
| 45°   | 1979.4 | 2039.7 | 2020.8 | 1987.3 | 1972.0 | 1978.8 | 1922.1 | 1886.0 | 1852.5 | 1837.3 | 1803.1 |
| 47.5° | 1420.4 | 1488.0 | 1464.8 | 1436.2 | 1420.4 | 1417.3 | 1367.4 | 1335.0 | 1338.1 | 1286.2 | 1254.5 |
| 50°   | 656.5  | 713.8  | 690.6  | 675.5  | 660.2  | 651.7  | 633.9  | 597.4  | 607.7  | 560.8  | 542.5  |
| 52.5° | 238.3  | 252.3  | 246.9  | 242.0  | 237.2  | 235.3  | 229.1  | 220.1  | 221.3  | 209.7  | 204.2  |
| 55°   | 121.9  | 128.6  | 126.7  | 123.8  | 123.8  | 121.9  | 118.8  | 115.3  | 112.7  | 110.9  | 109.2  |
| 57.5° | 56.0   | 59.7   | 58.5   | 57.3   | 57.3   | 56.0   | 54.9   | 53.0   | 54.3   | 51.2   | 50.6   |
| 60°   | 25.6   | 27.4   | 26.9   | 26.2   | 26.2   | 26.2   | 25.6   | 25.0   | 25.0   | 24.3   | 23.8   |
| 62.5° | 12.2   | 13.4   | 12.9   | 12.9   | 12.9   | 12.9   | 12.2   | 12.2   | 12.2   | 12.2   | 11.6   |
| 65°   | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    | 6.8    | 6.1    | 6.8    | 6.1    | 6.1    |
| 67.5° | 3.7    | 3.7    | 3.7    | 3.7    | 3.1    | 3.7    | 3.7    | 3.1    | 3.1    | 3.1    | 3.1    |
| 70°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    |
| 72.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 75°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 77.5° | 0.0    | 0.6    | 0.6    | 0.6    | 0.0    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    |
| 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    | 0.6    | 0.0    | 0.6    | 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: LDA4A10940D010TE LAR25NF 4LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

|       | 11°    | 12°    | 13°    | 14°    | 15°    | 17.5°  | 20°    | 22.5°  | 45°    | 67.5° | 90°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2   | 90.2  | 90.2 |
| 2.5°  | 165.8  | 170.0  | 174.4  | 173.1  | 167.0  | 166.5  | 163.9  | 165.2  | 128.6  | 104.2 | 87.1 |
| 5°    | 420.6  | 426.1  | 431.5  | 428.5  | 413.3  | 409.6  | 397.4  | 395.0  | 251.2  | 123.2 | 83.6 |
| 7.5°  | 768.7  | 771.8  | 776.0  | 772.4  | 749.9  | 739.4  | 713.8  | 688.8  | 422.5  | 148.8 | 77.4 |
| 10°   | 1146.0 | 1144.8 | 1146.6 | 1141.8 | 1113.8 | 1093.6 | 1054.0 | 1036.3 | 598.7  | 170.7 | 68.9 |
| 12.5° | 1586.2 | 1581.2 | 1554.5 | 1567.2 | 1527.6 | 1486.8 | 1421.6 | 1366.7 | 765.0  | 182.9 | 61.0 |
| 15°   | 2100.0 | 2085.4 | 2075.7 | 2061.1 | 2012.3 | 1946.4 | 1847.1 | 1786.1 | 903.5  | 181.6 | 53.0 |
| 17.5° | 2610.9 | 2587.1 | 2544.4 | 2549.9 | 2493.2 | 2401.1 | 2270.1 | 2165.9 | 999.1  | 166.5 | 47.0 |
| 20°   | 3094.3 | 3058.9 | 3005.3 | 3001.1 | 2932.8 | 2811.4 | 2646.2 | 2517.1 | 1051.6 | 141.4 | 42.7 |
| 22.5° | 3560.0 | 3505.2 | 3433.3 | 3410.7 | 3323.0 | 3151.0 | 2935.2 | 2777.9 | 1056.4 | 118.2 | 51.2 |
| 25°   | 3927.0 | 3858.2 | 3778.3 | 3739.2 | 3642.3 | 3422.8 | 3154.1 | 2960.8 | 1017.5 | 117.1 | 98.2 |
| 27.5° | 4131.8 | 4053.8 | 3974.0 | 3920.9 | 3822.8 | 3574.0 | 3269.8 | 3046.8 | 950.3  | 125.6 | 93.2 |
| 30°   | 4142.9 | 4055.0 | 3972.1 | 3905.1 | 3807.5 | 3541.8 | 3218.6 | 2986.4 | 829.7  | 79.2  | 35.4 |
| 32.5° | 3960.6 | 3866.7 | 3783.8 | 3708.1 | 3611.8 | 3344.2 | 3027.2 | 2805.3 | 674.8  | 55.5  | 25.0 |
| 35°   | 3641.8 | 3544.8 | 3465.5 | 3385.8 | 3295.4 | 3043.8 | 2753.0 | 2546.2 | 515.7  | 43.9  | 18.9 |
| 37.5° | 3207.7 | 3118.1 | 3048.0 | 2993.7 | 2896.1 | 2695.6 | 2429.8 | 2211.0 | 364.5  | 31.1  | 11.6 |
| 40°   | 2721.9 | 2646.2 | 2588.9 | 2542.0 | 2451.8 | 2273.8 | 2005.5 | 1820.8 | 221.3  | 21.9  | 7.9  |
| 42.5° | 2233.0 | 2162.2 | 2111.6 | 2067.2 | 1983.6 | 1826.3 | 1605.7 | 1420.4 | 106.1  | 15.3  | 5.5  |
| 45°   | 1736.8 | 1673.3 | 1630.7 | 1590.4 | 1515.5 | 1360.6 | 1185.6 | 1051.6 | 68.9   | 11.0  | 4.3  |
| 47.5° | 1186.2 | 1153.4 | 1083.2 | 1039.4 | 962.6  | 844.2  | 680.3  | 532.8  | 45.7   | 7.9   | 3.1  |
| 50°   | 493.2  | 476.1  | 429.8  | 400.0  | 356.0  | 295.6  | 214.6  | 179.9  | 28.0   | 5.5   | 2.4  |
| 52.5° | 191.4  | 187.1  | 175.5  | 168.9  | 157.9  | 142.0  | 118.2  | 105.5  | 17.1   | 4.3   | 2.4  |
| 55°   | 103.0  | 101.8  | 95.7   | 92.1   | 86.0   | 78.1   | 64.1   | 56.0   | 11.0   | 3.1   | 1.8  |
| 57.5° | 47.5   | 47.0   | 43.9   | 43.9   | 39.6   | 36.6   | 30.4   | 27.4   | 6.8    | 2.4   | 1.8  |
| 60°   | 22.5   | 22.5   | 21.4   | 21.4   | 19.5   | 18.3   | 15.3   | 14.0   | 4.3    | 1.8   | 1.8  |
| 62.5° | 11.0   | 11.0   | 11.0   | 11.0   | 10.3   | 9.8    | 8.5    | 7.9    | 3.1    | 1.8   | 1.8  |
| 65°   | 6.1    | 6.1    | 6.1    | 6.1    | 5.5    | 5.5    | 4.8    | 4.3    | 2.4    | 1.8   | 1.8  |
| 67.5° | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 3.1    | 2.4    | 2.4    | 1.8    | 1.8   | 1.8  |
| 70°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.3    | 1.3    | 1.3    | 1.3    | 1.8   | 1.8  |
| 72.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 1.3    | 1.8   | 1.8  |
| 75°   | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 1.3    | 1.8   | 1.8  |
| 77.5° | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 1.3    | 1.8   | 1.8  |
| 80°   | 0.0    | 0.0    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 1.3    | 1.8   | 1.8  |
| 82.5° | 0.0    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 1.3    | 1.8   | 1.8  |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.6    | 0.6    | 0.6    | 0.6    | 1.3    | 1.8   | 1.8  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.6    | 0.6    | 0.6    | 0.6    | 0.6    | 1.3    | 1.8   | 1.8  |
| 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: P1191481

CATALOG NUMBER: LDA4A10940D010TE LAR25NF 4LAL1 30° Tilt

**CANDELA DISTRIBUTION (continued):**

|       | 112.5° | 135°  | 157.5° | 180°  |
|-------|--------|-------|--------|-------|
| 0°    | 90.2   | 90.2  | 90.2   | 90.2  |
| 2.5°  | 75.0   | 65.2  | 60.4   | 59.1  |
| 5°    | 61.5   | 48.1  | 41.4   | 39.0  |
| 7.5°  | 49.9   | 34.8  | 29.3   | 26.9  |
| 10°   | 39.6   | 27.4  | 21.9   | 20.1  |
| 12.5° | 32.9   | 21.9  | 17.7   | 16.4  |
| 15°   | 28.0   | 18.9  | 15.8   | 15.3  |
| 17.5° | 25.6   | 20.1  | 18.9   | 19.5  |
| 20°   | 31.1   | 32.9  | 38.5   | 39.6  |
| 22.5° | 65.9   | 114.0 | 154.9  | 163.9 |
| 25°   | 137.2  | 164.6 | 170.7  | 176.8 |
| 27.5° | 76.2   | 59.1  | 58.0   | 60.4  |
| 30°   | 31.1   | 31.7  | 32.9   | 34.1  |
| 32.5° | 23.2   | 23.2  | 22.5   | 23.2  |
| 35°   | 15.8   | 14.6  | 14.0   | 14.6  |
| 37.5° | 9.8    | 9.2   | 8.5    | 8.5   |
| 40°   | 6.8    | 6.1   | 5.5    | 5.5   |
| 42.5° | 4.8    | 3.7   | 3.1    | 3.1   |
| 45°   | 3.7    | 2.4   | 1.8    | 1.3   |
| 47.5° | 3.1    | 1.8   | 0.6    | 0.6   |
| 50°   | 2.4    | 1.3   | 0.6    | 0.0   |
| 52.5° | 1.8    | 1.3   | 0.6    | 0.0   |
| 55°   | 1.8    | 1.3   | 0.0    | 0.0   |
| 57.5° | 1.8    | 1.3   | 0.0    | 0.0   |
| 60°   | 1.8    | 1.3   | 0.6    | 0.0   |
| 62.5° | 1.8    | 1.3   | 0.6    | 0.6   |
| 65°   | 1.8    | 1.3   | 0.6    | 0.0   |
| 67.5° | 1.8    | 1.3   | 0.6    | 0.0   |
| 70°   | 1.8    | 1.3   | 0.6    | 0.0   |
| 72.5° | 2.4    | 1.3   | 0.6    | 0.0   |
| 75°   | 2.4    | 1.8   | 0.6    | 0.0   |
| 77.5° | 2.4    | 1.8   | 0.6    | 0.0   |
| 80°   | 2.4    | 1.8   | 0.6    | 0.0   |
| 82.5° | 2.4    | 1.8   | 0.6    | 0.0   |
| 85°   | 2.4    | 1.8   | 0.6    | 0.0   |
| 87.5° | 2.4    | 1.8   | 0.6    | 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)