

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: P1192225

Luminaire Tested: **LDA6A40940D010TE LARH30NF 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: P1192225  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26671)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A40940D010TE LARH30NF 6LA1LI 30°  
Description: PORTFOLIO 6" Adjustable Reflector, Angle-cut Trim, Self-flanged, 30°  
Narrow Flood, 30° Tilt  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

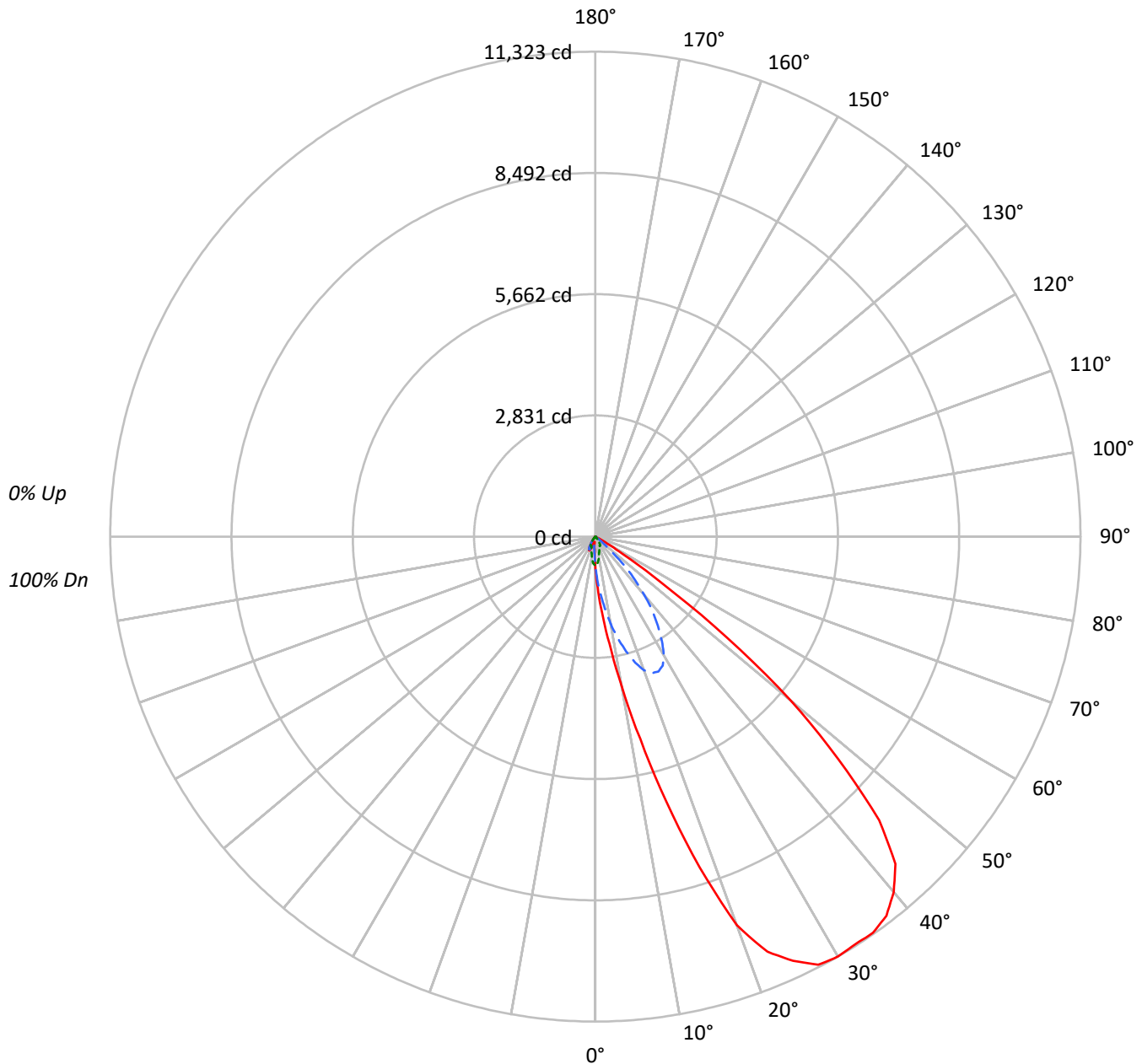
Lumens per Lamp: N/A  
Luminaire Lumens: 4407.2 lumens  
Efficiency: N/A  
Efficacy: 88.5 lumens/watt  
Spacing Criteria (0/90/45): 2.69 / 0.5 / 1.42  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 49.8  
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: P1192225

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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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 101 | 102 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  | 91  |    |    |
| 2   | 105 | 99  | 94  | 89  | 102 | 97  | 92  | 88  | 94  | 90  | 86  | 91  | 87  | 85  | 88  | 85  | 83  | 81  |    |    |
| 3   | 98  | 89  | 83  | 78  | 95  | 88  | 82  | 78  | 85  | 80  | 76  | 83  | 79  | 75  | 80  | 77  | 74  | 72  |    |    |
| 4   | 91  | 81  | 74  | 69  | 89  | 80  | 73  | 68  | 78  | 72  | 68  | 75  | 71  | 67  | 73  | 69  | 66  | 64  |    |    |
| 5   | 84  | 74  | 66  | 61  | 82  | 73  | 66  | 61  | 71  | 65  | 60  | 69  | 64  | 59  | 67  | 63  | 59  | 57  |    |    |
| 6   | 78  | 67  | 60  | 54  | 77  | 66  | 59  | 54  | 65  | 58  | 53  | 63  | 57  | 53  | 62  | 57  | 53  | 51  |    |    |
| 7   | 73  | 61  | 54  | 48  | 71  | 60  | 53  | 48  | 59  | 53  | 48  | 58  | 52  | 48  | 56  | 51  | 47  | 45  |    |    |
| 8   | 68  | 56  | 48  | 43  | 66  | 55  | 48  | 43  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 46  | 42  | 41  |    |    |
| 9   | 63  | 51  | 44  | 39  | 62  | 51  | 44  | 39  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 42  | 38  | 37  |    |    |
| 10  | 59  | 47  | 40  | 35  | 58  | 47  | 40  | 35  | 46  | 39  | 35  | 45  | 39  | 35  | 44  | 39  | 35  | 33  |    |    |

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

|     | 0°     | 90°   | 180°  |
|-----|--------|-------|-------|
| 0°  | 37026  | 37026 | 37026 |
| 5°  | 97600  | 33728 | 11611 |
| 10° | 197207 | 26252 | 7053  |
| 15° | 363129 | 19682 | 10176 |
| 20° | 562983 | 15740 | 16953 |
| 25° | 661000 | 13960 | 21521 |
| 30° | 716731 | 14040 | 16673 |
| 35° | 755742 | 8365  | 8968  |
| 40° | 775159 | 3564  | 3886  |
| 45° | 726192 | 1403  | 1333  |
| 50° | 507762 | 614   | 307   |
| 55° | 178173 | 612   | 0     |
| 60° | 35929  | 702   | 0     |
| 65° | 2231   | 830   | 0     |
| 70° | 433    | 1154  | 0     |
| 75° | 0      | 1525  | 0     |
| 80° | 0      | 2273  | 284   |
| 85° | 0      | 5095  | 566   |

Classified

Scaled Data Report

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1192225

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 86.6   | 2.0       |
| 10°-20°   | 483.2  | 11.0      |
| 20°-30°   | 1142.2 | 25.9      |
| 30°-40°   | 1391.4 | 31.6      |
| 40°-50°   | 1035.0 | 23.5      |
| 50°-60°   | 250.6  | 5.7       |
| 60°-70°   | 9.3    | 0.2       |
| 70°-80°   | 4.5    | 0.1       |
| 80°-90°   | 4.3    | 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°    | 1712.0 | 38.8      |
| 0°-40°    | 3103.4 | 70.4      |
| 0°-60°    | 4389.0 | 99.6      |
| 0°-90°    | 4407.2 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4407.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 45°  | 90° | 135° | 180° | Flux |
|-----|-------|------|-----|------|------|------|
| 0°  | 675   | 675  | 675 | 675  | 675  |      |
| 5°  | 1774  | 1326 | 613 | 286  | 211  | 223  |
| 15° | 6398  | 2773 | 347 | 159  | 179  | 1928 |
| 25° | 10928 | 3478 | 231 | 335  | 356  | 5018 |
| 35° | 11293 | 2540 | 125 | 136  | 134  | 7033 |
| 45° | 9367  | 968  | 18  | 20   | 17   | 6880 |
| 55° | 1864  | 21   | 6   | 4    | 0    | 2109 |
| 65° | 17    | 4    | 6   | 4    | 0    | 57   |
| 75° | 0     | 4    | 7   | 6    | 0    | 0    |
| 85° | 0     | 4    | 8   | 6    | 1    | 0    |
| 90° | 0     | 0    | 0   | 0    | 0    |      |

TEST NUMBER: P1192225

CATALOG NUMBER: LDA6A40940D010TE LARH30NF 6LA1LI 30°

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 10°     | 15°     | 20°     | 22.5°  | 25°    | 30°    | 35°    | 40°    | 45°    |
|-------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|
| 0°    | 675.4   | 675.4   | 675.4   | 675.4   | 675.4   | 675.4  | 675.4  | 675.4  | 675.4  | 675.4  | 675.4  |
| 2.5°  | 1177.8  | 1158.0  | 1156.1  | 1136.3  | 1129.0  | 1126.3 | 1098.2 | 1088.2 | 1051.1 | 1043.9 | 991.3  |
| 5°    | 1773.6  | 1742.9  | 1736.5  | 1691.3  | 1657.7  | 1611.5 | 1587.1 | 1545.5 | 1457.6 | 1411.5 | 1326.4 |
| 7.5°  | 2523.2  | 2482.5  | 2473.5  | 2402.9  | 2333.1  | 2272.5 | 2221.7 | 2124.9 | 1963.7 | 1853.3 | 1679.4 |
| 10°   | 3542.7  | 3428.7  | 3387.0  | 3237.6  | 3093.6  | 2980.5 | 2921.7 | 2708.8 | 2466.3 | 2317.7 | 2075.2 |
| 12.5° | 4837.4  | 4647.3  | 4569.4  | 4338.6  | 4085.0  | 3899.4 | 3785.3 | 3451.3 | 3056.5 | 2772.3 | 2425.5 |
| 15°   | 6398.3  | 6177.3  | 6037.9  | 5747.3  | 5286.5  | 5022.1 | 4820.2 | 4285.2 | 3709.3 | 3279.2 | 2773.1 |
| 17.5° | 8097.7  | 7924.7  | 7716.5  | 7261.0  | 6518.6  | 6200.9 | 5834.3 | 5132.6 | 4343.1 | 3744.6 | 3083.7 |
| 20°   | 9650.3  | 9360.7  | 9204.0  | 8697.0  | 7836.9  | 7417.7 | 6965.9 | 5914.8 | 4903.5 | 4124.0 | 3321.8 |
| 22.5° | 10491.5 | 10210.8 | 10116.6 | 9676.6  | 8888.0  | 8421.8 | 7846.9 | 6603.8 | 5333.5 | 4383.8 | 3448.5 |
| 25°   | 10927.9 | 10671.6 | 10678.0 | 10280.5 | 9568.9  | 9130.7 | 8545.7 | 7124.3 | 5626.9 | 4520.5 | 3477.6 |
| 27.5° | 11269.2 | 10954.1 | 10898.9 | 10601.9 | 9969.0  | 9520.9 | 8956.8 | 7407.7 | 5734.6 | 4506.0 | 3398.8 |
| 30°   | 11322.6 | 11064.6 | 11104.4 | 10691.6 | 10113.9 | 9647.7 | 9060.9 | 7392.4 | 5624.2 | 4324.1 | 3194.2 |
| 32.5° | 11286.4 | 11030.1 | 11121.6 | 10673.5 | 10051.4 | 9539.9 | 8887.2 | 7091.8 | 5300.1 | 3987.3 | 2893.6 |
| 35°   | 11292.7 | 10998.4 | 10930.5 | 10551.2 | 9810.6  | 9210.4 | 8422.7 | 6543.1 | 4821.1 | 3549.0 | 2539.6 |
| 37.5° | 11157.8 | 10761.2 | 10773.0 | 10273.2 | 9345.2  | 8549.5 | 7657.6 | 5811.6 | 4254.3 | 3081.0 | 2183.8 |
| 40°   | 10831.9 | 10534.9 | 10440.8 | 9698.4  | 8459.8  | 7527.3 | 6667.2 | 5016.7 | 3598.8 | 2592.1 | 1766.3 |
| 42.5° | 10367.4 | 10009.8 | 9733.7  | 8705.2  | 7205.0  | 6349.4 | 5606.1 | 4188.3 | 2979.6 | 2124.9 | 1371.6 |
| 45°   | 9366.9  | 8980.4  | 8445.4  | 7211.2  | 5941.0  | 5198.6 | 4578.4 | 3399.7 | 2410.1 | 1642.4 | 967.9  |
| 47.5° | 7684.7  | 7321.7  | 6771.3  | 5734.6  | 4743.2  | 4124.9 | 3641.4 | 2662.7 | 1761.8 | 1035.8 | 479.9  |
| 50°   | 5953.7  | 5677.6  | 5257.5  | 4357.6  | 3529.1  | 2950.6 | 2519.6 | 1672.2 | 899.1  | 472.6  | 201.0  |
| 52.5° | 3880.4  | 3684.8  | 3310.9  | 2626.5  | 1994.5  | 1563.6 | 1271.1 | 711.6  | 423.7  | 199.2  | 58.8   |
| 55°   | 1864.2  | 1762.7  | 1492.1  | 1082.0  | 783.1   | 642.8  | 543.2  | 344.9  | 160.3  | 47.9   | 20.8   |
| 57.5° | 743.3   | 721.6   | 642.8   | 484.4   | 371.3   | 315.1  | 244.4  | 95.0   | 31.7   | 20.0   | 12.7   |
| 60°   | 327.7   | 317.8   | 266.2   | 176.5   | 95.0    | 54.3   | 39.8   | 23.6   | 15.4   | 11.7   | 8.1    |
| 62.5° | 47.1    | 43.4    | 37.1    | 29.0    | 23.6    | 20.0   | 17.2   | 12.7   | 8.1    | 6.4    | 5.5    |
| 65°   | 17.2    | 17.2    | 15.4    | 12.7    | 10.9    | 10.0   | 9.1    | 6.4    | 4.5    | 4.5    | 4.5    |
| 67.5° | 7.2     | 7.2     | 7.2     | 5.5     | 5.5     | 4.5    | 3.6    | 3.6    | 3.6    | 3.6    | 4.5    |
| 70°   | 2.7     | 2.7     | 2.7     | 1.9     | 1.9     | 1.9    | 2.7    | 2.7    | 2.7    | 3.6    | 4.5    |
| 72.5° | 0.0     | 0.9     | 0.9     | 0.9     | 1.9     | 1.9    | 1.9    | 2.7    | 2.7    | 3.6    | 4.5    |
| 75°   | 0.0     | 0.0     | 0.9     | 0.9     | 1.9     | 1.9    | 1.9    | 2.7    | 2.7    | 3.6    | 4.5    |
| 77.5° | 0.0     | 0.0     | 0.9     | 0.9     | 1.9     | 1.9    | 1.9    | 2.7    | 3.6    | 3.6    | 4.5    |
| 80°   | 0.0     | 0.0     | 0.9     | 0.9     | 1.9     | 1.9    | 1.9    | 2.7    | 3.6    | 3.6    | 4.5    |
| 82.5° | 0.0     | 0.0     | 0.9     | 0.9     | 1.9     | 1.9    | 1.9    | 2.7    | 3.6    | 4.5    | 4.5    |
| 85°   | 0.0     | 0.0     | 0.9     | 0.9     | 1.9     | 1.9    | 1.9    | 2.7    | 3.6    | 3.6    | 4.5    |
| 87.5° | 0.0     | 0.0     | 0.9     | 0.9     | 1.9     | 1.9    | 1.9    | 2.7    | 3.6    | 4.5    | 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    |

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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°   | 80°   | 85°   | 90°   | 95°   |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0°    | 675.4  | 675.4  | 675.4  | 675.4  | 675.4  | 675.4  | 675.4 | 675.4 | 675.4 | 675.4 | 675.4 |
| 2.5°  | 947.0  | 934.3  | 891.8  | 849.3  | 842.9  | 824.8  | 787.7 | 744.2 | 688.1 | 652.8 | 617.4 |
| 5°    | 1215.9 | 1152.5 | 1081.0 | 998.6  | 973.2  | 937.0  | 859.2 | 775.9 | 682.6 | 612.9 | 547.8 |
| 7.5°  | 1530.1 | 1388.8 | 1254.0 | 1121.8 | 1072.0 | 1015.8 | 897.2 | 777.7 | 650.0 | 548.7 | 467.1 |
| 10°   | 1824.4 | 1607.0 | 1397.9 | 1210.4 | 1136.3 | 1060.2 | 900.8 | 746.9 | 588.5 | 471.6 | 388.4 |
| 12.5° | 2117.6 | 1806.3 | 1520.1 | 1274.7 | 1174.2 | 1076.5 | 881.0 | 691.7 | 512.5 | 401.1 | 334.1 |
| 15°   | 2348.6 | 1986.4 | 1608.9 | 1307.3 | 1182.5 | 1062.9 | 832.0 | 615.7 | 438.2 | 346.8 | 287.0 |
| 17.5° | 2508.7 | 2089.6 | 1642.4 | 1293.8 | 1150.7 | 1015.8 | 755.1 | 526.9 | 378.5 | 304.2 | 246.3 |
| 20°   | 2619.2 | 2122.2 | 1618.8 | 1237.6 | 1082.8 | 934.3  | 658.3 | 447.3 | 335.9 | 269.8 | 211.9 |
| 22.5° | 2650.0 | 2090.5 | 1551.8 | 1153.5 | 994.1  | 841.0  | 557.7 | 394.7 | 305.1 | 242.7 | 205.5 |
| 25°   | 2620.1 | 2009.9 | 1451.3 | 1053.0 | 885.5  | 725.2  | 473.5 | 363.0 | 281.5 | 230.8 | 239.1 |
| 27.5° | 2511.5 | 1867.8 | 1311.9 | 923.4  | 751.4  | 600.2  | 416.5 | 325.1 | 248.1 | 243.6 | 253.5 |
| 30°   | 2332.2 | 1664.1 | 1146.2 | 757.8  | 594.0  | 479.0  | 349.4 | 256.2 | 217.3 | 221.8 | 228.2 |
| 32.5° | 2074.2 | 1414.2 | 933.4  | 561.4  | 435.4  | 360.3  | 249.9 | 177.4 | 172.0 | 175.6 | 180.1 |
| 35°   | 1748.2 | 1150.7 | 699.0  | 387.5  | 308.7  | 248.1  | 146.7 | 125.8 | 123.1 | 125.0 | 126.7 |
| 37.5° | 1418.8 | 889.1  | 475.4  | 260.8  | 187.4  | 125.8  | 87.8  | 82.4  | 80.5  | 81.5  | 82.4  |
| 40°   | 1100.9 | 618.3  | 298.7  | 125.0  | 73.3   | 62.4   | 54.3  | 51.6  | 49.8  | 49.8  | 50.7  |
| 42.5° | 804.0  | 366.7  | 148.4  | 48.9   | 39.8   | 37.1   | 32.6  | 30.8  | 29.0  | 29.8  | 30.8  |
| 45°   | 449.9  | 162.9  | 50.7   | 27.2   | 24.5   | 22.6   | 20.0  | 19.0  | 18.1  | 18.1  | 18.1  |
| 47.5° | 192.0  | 57.0   | 24.5   | 17.2   | 15.4   | 14.5   | 12.7  | 11.7  | 10.9  | 10.9  | 10.9  |
| 50°   | 63.4   | 22.6   | 15.4   | 11.7   | 10.0   | 9.1    | 8.1   | 7.2   | 7.2   | 7.2   | 8.1   |
| 52.5° | 22.6   | 14.5   | 10.0   | 8.1    | 7.2    | 7.2    | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   |
| 55°   | 13.6   | 10.0   | 7.2    | 6.4    | 6.4    | 6.4    | 6.4   | 6.4   | 6.4   | 6.4   | 6.4   |
| 57.5° | 9.1    | 6.4    | 6.4    | 5.5    | 5.5    | 5.5    | 5.5   | 5.5   | 5.5   | 6.4   | 6.4   |
| 60°   | 6.4    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5    | 5.5   | 5.5   | 5.5   | 6.4   | 6.4   |
| 62.5° | 5.5    | 4.5    | 4.5    | 5.5    | 5.5    | 5.5    | 5.5   | 6.4   | 6.4   | 6.4   | 6.4   |
| 65°   | 4.5    | 4.5    | 4.5    | 5.5    | 5.5    | 5.5    | 5.5   | 6.4   | 6.4   | 6.4   | 6.4   |
| 67.5° | 4.5    | 4.5    | 5.5    | 5.5    | 5.5    | 5.5    | 6.4   | 6.4   | 6.4   | 6.4   | 7.2   |
| 70°   | 4.5    | 4.5    | 5.5    | 5.5    | 5.5    | 6.4    | 6.4   | 6.4   | 6.4   | 7.2   | 7.2   |
| 72.5° | 4.5    | 5.5    | 5.5    | 5.5    | 6.4    | 6.4    | 6.4   | 7.2   | 7.2   | 7.2   | 7.2   |
| 75°   | 4.5    | 5.5    | 5.5    | 6.4    | 6.4    | 6.4    | 6.4   | 7.2   | 7.2   | 7.2   | 7.2   |
| 77.5° | 4.5    | 5.5    | 5.5    | 6.4    | 6.4    | 6.4    | 7.2   | 7.2   | 7.2   | 7.2   | 7.2   |
| 80°   | 5.5    | 5.5    | 6.4    | 6.4    | 6.4    | 7.2    | 7.2   | 7.2   | 7.2   | 7.2   | 8.1   |
| 82.5° | 5.5    | 5.5    | 6.4    | 6.4    | 6.4    | 7.2    | 7.2   | 7.2   | 7.2   | 7.2   | 8.1   |
| 85°   | 5.5    | 5.5    | 6.4    | 6.4    | 6.4    | 7.2    | 7.2   | 7.2   | 7.2   | 8.1   | 8.1   |
| 87.5° | 5.5    | 5.5    | 6.4    | 6.4    | 6.4    | 7.2    | 7.2   | 7.2   | 7.2   | 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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Peachtree City, GA 30269



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CATALOG NUMBER: LDA6A40940D010TE LARH30NF 6LA1LI 30°

**CANDELA DISTRIBUTION (continued):**

|       | 100°  | 105°  | 110°  | 112.5° | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  |
|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 675.4 | 675.4 | 675.4 | 675.4  | 675.4 | 675.4 | 675.4 | 675.4 | 675.4 | 675.4 | 675.4 |
| 2.5°  | 581.2 | 554.0 | 516.1 | 503.4  | 477.1 | 458.1 | 437.3 | 413.7 | 409.2 | 385.7 | 383.0 |
| 5°    | 484.4 | 440.9 | 397.5 | 381.1  | 358.5 | 339.5 | 318.7 | 296.1 | 286.1 | 263.4 | 249.9 |
| 7.5°  | 399.2 | 357.7 | 318.7 | 302.4  | 280.6 | 256.2 | 231.8 | 208.2 | 194.6 | 172.9 | 162.0 |
| 10°   | 334.9 | 293.4 | 251.7 | 235.4  | 215.5 | 188.4 | 162.0 | 137.6 | 128.6 | 123.1 | 124.1 |
| 12.5° | 279.8 | 238.1 | 196.5 | 178.4  | 157.5 | 135.8 | 134.9 | 133.1 | 136.7 | 135.8 | 136.7 |
| 15°   | 234.5 | 190.1 | 150.3 | 144.8  | 144.8 | 148.4 | 152.1 | 153.0 | 159.3 | 159.3 | 161.2 |
| 17.5° | 192.9 | 162.0 | 163.9 | 163.9  | 167.5 | 173.8 | 181.0 | 184.6 | 194.6 | 195.6 | 199.2 |
| 20°   | 179.3 | 186.5 | 194.6 | 196.5  | 202.8 | 212.7 | 222.7 | 230.0 | 242.7 | 246.3 | 253.5 |
| 22.5° | 212.7 | 225.5 | 238.1 | 241.7  | 249.9 | 264.4 | 282.5 | 288.9 | 304.2 | 304.2 | 314.2 |
| 25°   | 250.8 | 269.8 | 282.5 | 287.0  | 296.1 | 308.7 | 320.5 | 324.1 | 334.9 | 331.3 | 334.9 |
| 27.5° | 266.2 | 279.8 | 287.9 | 292.5  | 294.2 | 305.1 | 310.6 | 308.7 | 316.0 | 310.6 | 310.6 |
| 30°   | 236.3 | 246.3 | 250.8 | 253.5  | 253.5 | 261.7 | 261.7 | 258.9 | 263.4 | 258.9 | 256.2 |
| 32.5° | 185.6 | 192.9 | 196.5 | 196.5  | 195.6 | 201.0 | 199.2 | 195.6 | 197.4 | 194.6 | 188.4 |
| 35°   | 129.5 | 134.9 | 137.6 | 136.7  | 135.8 | 140.3 | 137.6 | 134.9 | 135.8 | 134.0 | 129.5 |
| 37.5° | 85.1  | 86.0  | 87.8  | 89.6   | 88.8  | 92.4  | 90.5  | 88.8  | 89.6  | 87.8  | 85.1  |
| 40°   | 51.6  | 53.4  | 55.2  | 55.2   | 55.2  | 56.2  | 56.2  | 55.2  | 57.0  | 55.2  | 53.4  |
| 42.5° | 30.8  | 32.6  | 32.6  | 32.6   | 33.5  | 33.5  | 34.4  | 32.6  | 34.4  | 32.6  | 31.7  |
| 45°   | 19.0  | 19.0  | 19.0  | 20.0   | 19.0  | 20.0  | 20.0  | 19.0  | 20.0  | 19.0  | 18.1  |
| 47.5° | 11.7  | 11.7  | 11.7  | 11.7   | 11.7  | 11.7  | 11.7  | 10.9  | 11.7  | 10.9  | 10.0  |
| 50°   | 7.2   | 8.1   | 7.2   | 7.2    | 7.2   | 7.2   | 7.2   | 6.4   | 6.4   | 5.5   | 5.5   |
| 52.5° | 6.4   | 6.4   | 6.4   | 6.4    | 6.4   | 6.4   | 5.5   | 5.5   | 4.5   | 3.6   | 3.6   |
| 55°   | 6.4   | 6.4   | 6.4   | 5.5    | 5.5   | 5.5   | 5.5   | 4.5   | 4.5   | 3.6   | 2.7   |
| 57.5° | 6.4   | 6.4   | 5.5   | 5.5    | 5.5   | 5.5   | 4.5   | 4.5   | 3.6   | 2.7   | 2.7   |
| 60°   | 6.4   | 6.4   | 6.4   | 5.5    | 5.5   | 5.5   | 4.5   | 4.5   | 3.6   | 2.7   | 2.7   |
| 62.5° | 6.4   | 6.4   | 6.4   | 5.5    | 5.5   | 5.5   | 5.5   | 4.5   | 3.6   | 2.7   | 2.7   |
| 65°   | 6.4   | 6.4   | 6.4   | 6.4    | 6.4   | 5.5   | 5.5   | 4.5   | 4.5   | 3.6   | 2.7   |
| 67.5° | 7.2   | 6.4   | 6.4   | 6.4    | 6.4   | 6.4   | 5.5   | 4.5   | 4.5   | 3.6   | 2.7   |
| 70°   | 7.2   | 7.2   | 6.4   | 6.4    | 6.4   | 6.4   | 5.5   | 5.5   | 4.5   | 3.6   | 2.7   |
| 72.5° | 7.2   | 7.2   | 7.2   | 7.2    | 6.4   | 6.4   | 6.4   | 5.5   | 4.5   | 3.6   | 3.6   |
| 75°   | 7.2   | 7.2   | 7.2   | 7.2    | 7.2   | 6.4   | 6.4   | 5.5   | 5.5   | 4.5   | 3.6   |
| 77.5° | 8.1   | 7.2   | 7.2   | 7.2    | 7.2   | 7.2   | 6.4   | 5.5   | 5.5   | 4.5   | 3.6   |
| 80°   | 8.1   | 8.1   | 7.2   | 7.2    | 7.2   | 7.2   | 6.4   | 5.5   | 5.5   | 4.5   | 3.6   |
| 82.5° | 8.1   | 8.1   | 7.2   | 7.2    | 7.2   | 7.2   | 6.4   | 6.4   | 5.5   | 4.5   | 3.6   |
| 85°   | 8.1   | 8.1   | 7.2   | 7.2    | 7.2   | 7.2   | 6.4   | 5.5   | 5.5   | 4.5   | 3.6   |
| 87.5° | 8.1   | 8.1   | 7.2   | 7.2    | 7.2   | 7.2   | 6.4   | 5.5   | 5.5   | 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: P1192225

CATALOG NUMBER: LDA6A40940D010TE LARH30NF 6LA1LI 30°

**CANDELA DISTRIBUTION (continued):**

|       | 150°  | 155°  | 157.5° | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 0°    | 675.4 | 675.4 | 675.4  | 675.4 | 675.4 | 675.4 | 675.4 | 675.4 |
| 2.5°  | 366.7 | 364.9 | 358.5  | 360.3 | 355.8 | 345.8 | 346.8 | 343.2 |
| 5°    | 240.8 | 235.4 | 229.1  | 229.1 | 222.7 | 213.7 | 213.7 | 211.0 |
| 7.5°  | 146.7 | 138.6 | 132.2  | 131.3 | 125.0 | 120.5 | 120.5 | 119.5 |
| 10°   | 124.1 | 125.0 | 125.0  | 125.8 | 125.0 | 125.0 | 125.8 | 126.7 |
| 12.5° | 139.4 | 142.2 | 142.2  | 143.1 | 142.2 | 143.9 | 143.9 | 145.8 |
| 15°   | 166.5 | 171.1 | 172.0  | 173.8 | 172.9 | 175.6 | 177.4 | 179.3 |
| 17.5° | 209.1 | 214.6 | 216.4  | 221.8 | 221.0 | 223.6 | 225.5 | 229.1 |
| 20°   | 263.4 | 271.6 | 274.3  | 281.5 | 280.6 | 283.4 | 287.9 | 290.6 |
| 22.5° | 324.1 | 334.1 | 334.9  | 341.3 | 340.4 | 343.2 | 344.9 | 345.8 |
| 25°   | 340.4 | 346.8 | 345.8  | 349.4 | 349.4 | 350.4 | 350.4 | 355.8 |
| 27.5° | 311.5 | 316.0 | 316.0  | 316.0 | 316.8 | 317.8 | 317.8 | 322.3 |
| 30°   | 256.2 | 258.0 | 258.9  | 256.2 | 258.0 | 258.9 | 258.9 | 263.4 |
| 32.5° | 190.1 | 191.0 | 192.0  | 188.4 | 191.0 | 191.0 | 191.0 | 194.6 |
| 35°   | 131.3 | 131.3 | 132.2  | 129.5 | 131.3 | 132.2 | 131.3 | 134.0 |
| 37.5° | 86.0  | 86.0  | 86.0   | 86.0  | 86.0  | 86.0  | 85.1  | 87.8  |
| 40°   | 53.4  | 54.3  | 53.4   | 53.4  | 52.5  | 52.5  | 52.5  | 54.3  |
| 42.5° | 31.7  | 31.7  | 30.8   | 30.8  | 30.8  | 30.8  | 31.7  | 31.7  |
| 45°   | 18.1  | 18.1  | 17.2   | 17.2  | 16.3  | 17.2  | 17.2  | 17.2  |
| 47.5° | 10.0  | 9.1   | 9.1    | 9.1   | 8.1   | 8.1   | 8.1   | 9.1   |
| 50°   | 4.5   | 4.5   | 4.5    | 3.6   | 3.6   | 3.6   | 2.7   | 3.6   |
| 52.5° | 2.7   | 1.9   | 1.9    | 1.9   | 0.9   | 0.9   | 0.0   | 0.9   |
| 55°   | 1.9   | 1.9   | 0.9    | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   |
| 57.5° | 1.9   | 0.9   | 0.9    | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   |
| 60°   | 1.9   | 0.9   | 0.9    | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   |
| 62.5° | 1.9   | 0.9   | 0.9    | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   |
| 65°   | 1.9   | 0.9   | 0.9    | 0.9   | 0.0   | 0.0   | 0.0   | 0.0   |
| 67.5° | 1.9   | 1.9   | 0.9    | 0.9   | 0.9   | 0.0   | 0.0   | 0.0   |
| 70°   | 2.7   | 1.9   | 1.9    | 0.9   | 0.9   | 0.0   | 0.0   | 0.0   |
| 72.5° | 2.7   | 1.9   | 1.9    | 1.9   | 0.9   | 0.9   | 0.0   | 0.0   |
| 75°   | 2.7   | 1.9   | 1.9    | 1.9   | 0.9   | 0.9   | 0.0   | 0.0   |
| 77.5° | 2.7   | 2.7   | 1.9    | 1.9   | 0.9   | 0.9   | 0.9   | 0.9   |
| 80°   | 2.7   | 2.7   | 1.9    | 1.9   | 1.9   | 0.9   | 0.9   | 0.9   |
| 82.5° | 2.7   | 2.7   | 1.9    | 1.9   | 1.9   | 0.9   | 0.9   | 0.9   |
| 85°   | 2.7   | 2.7   | 1.9    | 1.9   | 1.9   | 0.9   | 0.9   | 0.9   |
| 87.5° | 2.7   | 2.7   | 1.9    | 1.9   | 1.9   | 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

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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Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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

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