

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: P1192845

Luminaire Tested: **LDA6A75950D010TE LARH40FL 6LAL1LI 30°**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-41-14  
Report Number: P1192845  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P26691)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDA6A75950D010TE LARH40FL 6LAL1LI 30°  
Description: PORTFOLIO 6" Lensed Adjustable, Self-flanged, 40° Flood, 30° Tilt  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

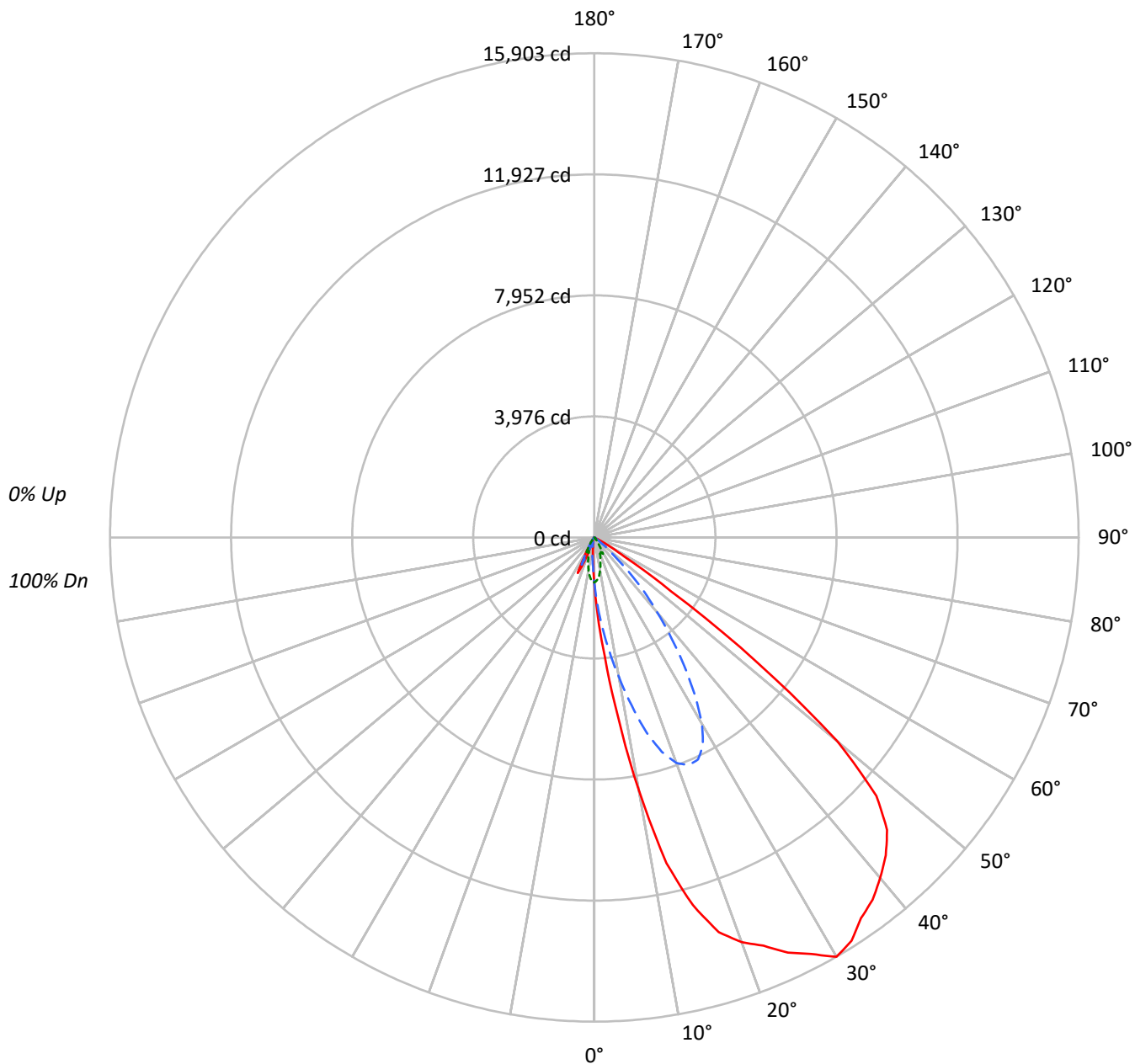
Lumens per Lamp: N/A  
Luminaire Lumens: 7595.4 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Spacing Criteria (0/90/45): 2.62 / 0.52 / 1.36  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 86.9  
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: P1192845

CATALOG NUMBER: LDA6A75950D010TE LARH40FL 6LAL1LI 30°

### Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  | 91  |    |    |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 85  | 83  | 81  |    |    |
| 3   | 98  | 90  | 84  | 79  | 96  | 88  | 83  | 78  | 86  | 81  | 77  | 83  | 79  | 76  | 81  | 77  | 74  | 73  |    |    |
| 4   | 91  | 82  | 75  | 70  | 89  | 80  | 74  | 69  | 78  | 73  | 68  | 76  | 71  | 67  | 74  | 70  | 67  | 65  |    |    |
| 5   | 85  | 74  | 67  | 62  | 83  | 73  | 67  | 61  | 71  | 65  | 61  | 70  | 64  | 60  | 68  | 63  | 60  | 58  |    |    |
| 6   | 79  | 68  | 60  | 55  | 77  | 67  | 60  | 55  | 65  | 59  | 54  | 64  | 58  | 54  | 62  | 57  | 54  | 52  |    |    |
| 7   | 74  | 62  | 55  | 49  | 72  | 61  | 54  | 49  | 60  | 54  | 49  | 59  | 53  | 49  | 57  | 52  | 48  | 47  |    |    |
| 8   | 69  | 57  | 50  | 44  | 67  | 56  | 49  | 44  | 55  | 49  | 44  | 54  | 48  | 44  | 53  | 48  | 44  | 42  |    |    |
| 9   | 64  | 52  | 45  | 40  | 63  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 38  |    |    |
| 10  | 60  | 48  | 41  | 37  | 59  | 48  | 41  | 36  | 47  | 41  | 36  | 46  | 40  | 36  | 45  | 40  | 36  | 34  |    |    |

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

|     | 0°      | 90°   | 180°  |
|-----|---------|-------|-------|
| 0°  | 81112   | 81112 | 81112 |
| 5°  | 215254  | 75198 | 28769 |
| 10° | 469881  | 60809 | 8573  |
| 15° | 709244  | 44433 | 7457  |
| 20° | 825010  | 30499 | 11709 |
| 25° | 909851  | 32905 | 77962 |
| 30° | 1006649 | 24782 | 24244 |
| 35° | 1021601 | 12675 | 9075  |
| 40° | 1045101 | 5160  | 4344  |
| 45° | 1053877 | 3186  | 2628  |
| 50° | 887783  | 2166  | 1689  |
| 55° | 293227  | 1481  | 946   |
| 60° | 57638   | 1403  | 614   |
| 65° | 6797    | 1816  | 726   |
| 70° | 1811    | 2052  | 898   |
| 75° | 318     | 2711  | 1504  |
| 80° | 0       | 4420  | 2241  |
| 85° | 0       | 8806  | 3522  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 196.9  | 2.6       |
| 10°-20°   | 994.3  | 13.1      |
| 20°-30°   | 1962.6 | 25.8      |
| 30°-40°   | 2213.7 | 29.1      |
| 40°-50°   | 1757.4 | 23.1      |
| 50°-60°   | 429.7  | 5.7       |
| 60°-70°   | 22.9   | 0.3       |
| 70°-80°   | 9.8    | 0.1       |
| 80°-90°   | 8.1    | 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°    | 3153.8 | 41.5      |
| 0°-40°    | 5367.5 | 70.7      |
| 0°-60°    | 7554.6 | 99.5      |
| 0°-90°    | 7595.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7595.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 45°  | 90°  | 135° | 180° | Flux  |
|-----|-------|------|------|------|------|-------|
| 0°  | 1480  | 1480 | 1480 | 1480 | 1480 |       |
| 5°  | 3912  | 2931 | 1366 | 687  | 523  | 517   |
| 15° | 12497 | 6642 | 783  | 154  | 131  | 3506  |
| 25° | 15042 | 8051 | 544  | 985  | 1289 | 6967  |
| 35° | 15265 | 5124 | 189  | 150  | 136  | 9600  |
| 45° | 13594 | 1597 | 41   | 42   | 34   | 10188 |
| 55° | 3068  | 69   | 16   | 16   | 10   | 3599  |
| 65° | 52    | 13   | 14   | 11   | 6    | 128   |
| 75° | 2     | 7    | 13   | 11   | 7    | 4     |
| 85° | 0     | 7    | 14   | 10   | 6    | 0     |
| 90° | 0     | 0    | 0    | 0    | 0    |       |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 10°     | 15°     | 20°     | 22.5°   | 25°     | 30°     | 35°     | 40°     | 45°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 1479.6  | 1479.6  | 1479.6  | 1479.6  | 1479.6  | 1479.6  | 1479.6  | 1479.6  | 1479.6  | 1479.6  | 1479.6 |
| 2.5°  | 2567.8  | 2518.4  | 2540.9  | 2505.6  | 2405.2  | 2374.2  | 2399.6  | 2361.4  | 2247.0  | 2203.1  | 2157.9 |
| 5°    | 3911.6  | 3867.9  | 3882.1  | 3801.4  | 3613.5  | 3548.5  | 3544.3  | 3428.5  | 3196.6  | 3066.8  | 2930.9 |
| 7.5°  | 5931.2  | 5870.5  | 5853.5  | 5659.9  | 5298.1  | 5162.5  | 5096.0  | 4810.6  | 4373.9  | 4064.4  | 3760.5 |
| 10°   | 8441.1  | 8500.3  | 8439.6  | 8125.8  | 7557.8  | 7303.4  | 7142.3  | 6602.4  | 5815.4  | 5225.9  | 4657.8 |
| 12.5° | 10958.0 | 10994.6 | 10880.2 | 10490.2 | 9768.1  | 9462.8  | 9225.3  | 8534.2  | 7497.0  | 6496.5  | 5648.6 |
| 15°   | 12496.8 | 12670.7 | 12563.3 | 12290.6 | 11730.9 | 11360.6 | 11147.3 | 10293.6 | 8988.0  | 7888.4  | 6642.1 |
| 17.5° | 13593.6 | 13754.5 | 13665.7 | 13442.3 | 12810.5 | 12512.3 | 12374.0 | 11671.6 | 10249.8 | 8852.2  | 7385.4 |
| 20°   | 14141.8 | 14338.4 | 14257.7 | 14004.7 | 13541.2 | 13292.4 | 13124.4 | 12439.0 | 11157.2 | 9568.8  | 7881.3 |
| 22.5° | 14513.5 | 14731.2 | 14643.5 | 14413.2 | 13941.2 | 13651.5 | 13572.4 | 12923.7 | 11632.0 | 9998.4  | 8091.9 |
| 25°   | 15042.0 | 15224.4 | 14977.0 | 14693.1 | 14226.7 | 13921.3 | 13873.4 | 13210.6 | 11859.5 | 10160.8 | 8051.1 |
| 27.5° | 15420.8 | 15637.1 | 15217.4 | 14929.1 | 14396.2 | 14075.4 | 14013.3 | 13390.1 | 11880.8 | 10032.4 | 7718.9 |
| 30°   | 15902.6 | 15762.9 | 15394.0 | 14975.6 | 14407.5 | 14065.5 | 13986.3 | 13285.4 | 11668.7 | 9559.0  | 7068.9 |
| 32.5° | 15711.9 | 15678.0 | 15309.2 | 14817.4 | 14287.4 | 13942.6 | 13836.7 | 12963.3 | 11086.6 | 8741.9  | 6148.8 |
| 35°   | 15265.3 | 15372.7 | 15064.6 | 14759.4 | 14100.9 | 13741.9 | 13594.9 | 12488.4 | 10209.0 | 7690.6  | 5124.3 |
| 37.5° | 15003.9 | 15071.8 | 14876.7 | 14503.6 | 13850.7 | 13378.8 | 13100.4 | 11689.9 | 9060.1  | 6365.0  | 4136.5 |
| 40°   | 14604.0 | 14776.3 | 14588.4 | 14160.2 | 13407.0 | 12759.8 | 12274.9 | 10247.1 | 7546.4  | 5018.3  | 3234.8 |
| 42.5° | 14165.8 | 14319.9 | 14140.5 | 13627.5 | 12563.3 | 11695.5 | 10890.0 | 8551.3  | 5908.7  | 3834.1  | 2426.4 |
| 45°   | 13593.6 | 13732.1 | 13409.9 | 12611.5 | 11104.8 | 9907.9  | 9103.8  | 6715.6  | 4455.9  | 2816.5  | 1596.9 |
| 47.5° | 12562.0 | 12525.1 | 12068.7 | 10828.0 | 8972.4  | 7899.7  | 6964.2  | 4810.6  | 2962.0  | 1595.5  | 794.1  |
| 50°   | 10409.6 | 10066.3 | 9394.9  | 7954.9  | 6021.6  | 4862.8  | 4224.1  | 2483.0  | 1344.0  | 773.0   | 498.9  |
| 52.5° | 6742.4  | 6359.4  | 5744.5  | 4414.8  | 2891.4  | 2320.6  | 1861.2  | 1122.2  | 701.0   | 436.7   | 196.4  |
| 55°   | 3068.0  | 2796.7  | 2404.0  | 1783.5  | 1240.7  | 1031.6  | 873.4   | 568.0   | 376.0   | 162.6   | 69.2   |
| 57.5° | 1168.6  | 1078.3  | 958.0   | 764.6   | 573.8   | 496.0   | 411.3   | 272.8   | 117.3   | 60.7    | 41.1   |
| 60°   | 525.7   | 487.6   | 448.0   | 350.6   | 245.9   | 176.7   | 134.3   | 73.5    | 49.5    | 35.4    | 26.8   |
| 62.5° | 179.4   | 149.9   | 124.3   | 89.0    | 66.5    | 58.0    | 51.0    | 41.1    | 29.7    | 24.1    | 18.4   |
| 65°   | 52.4    | 51.0    | 48.0    | 42.3    | 33.9    | 31.0    | 29.7    | 24.1    | 18.4    | 15.5    | 12.8   |
| 67.5° | 25.4    | 24.1    | 22.7    | 21.2    | 17.0    | 15.5    | 15.5    | 14.0    | 11.3    | 9.9     | 8.4    |
| 70°   | 11.3    | 11.3    | 9.9     | 9.9     | 8.4     | 8.4     | 8.4     | 7.1     | 7.1     | 7.1     | 7.1    |
| 72.5° | 5.6     | 5.6     | 5.6     | 4.2     | 4.2     | 4.2     | 4.2     | 5.6     | 5.6     | 7.1     | 7.1    |
| 75°   | 1.5     | 2.7     | 2.7     | 2.7     | 2.7     | 4.2     | 4.2     | 5.6     | 5.6     | 7.1     | 7.1    |
| 77.5° | 1.5     | 1.5     | 1.5     | 2.7     | 2.7     | 2.7     | 4.2     | 5.6     | 5.6     | 7.1     | 7.1    |
| 80°   | 0.0     | 1.5     | 1.5     | 2.7     | 2.7     | 2.7     | 4.2     | 4.2     | 5.6     | 7.1     | 7.1    |
| 82.5° | 0.0     | 1.5     | 1.5     | 2.7     | 2.7     | 2.7     | 4.2     | 4.2     | 5.6     | 7.1     | 7.1    |
| 85°   | 0.0     | 0.0     | 1.5     | 1.5     | 2.7     | 2.7     | 4.2     | 4.2     | 5.6     | 7.1     | 7.1    |
| 87.5° | 0.0     | 0.0     | 1.5     | 1.5     | 2.7     | 2.7     | 4.2     | 4.2     | 5.6     | 7.1     | 7.1    |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 50°    | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 |
| 2.5°  | 2047.8 | 2018.0 | 1900.8 | 1810.3 | 1767.9 | 1765.1 | 1670.3 | 1612.5 | 1510.6 | 1431.7 | 1356.6 |
| 5°    | 2692.0 | 2560.7 | 2323.3 | 2135.3 | 2045.0 | 1998.3 | 1811.8 | 1677.4 | 1502.3 | 1366.5 | 1232.3 |
| 7.5°  | 3348.0 | 3097.7 | 2764.2 | 2406.7 | 2259.7 | 2169.2 | 1880.9 | 1666.1 | 1432.9 | 1243.6 | 1076.8 |
| 10°   | 4019.2 | 3578.2 | 3080.8 | 2608.7 | 2396.8 | 2244.1 | 1874.0 | 1582.8 | 1314.2 | 1092.4 | 910.1  |
| 12.5° | 4718.6 | 4023.3 | 3330.9 | 2740.3 | 2460.3 | 2259.7 | 1810.3 | 1461.2 | 1168.6 | 932.7  | 759.0  |
| 15°   | 5308.1 | 4368.2 | 3489.2 | 2771.3 | 2440.6 | 2197.5 | 1674.7 | 1307.2 | 1013.2 | 782.9  | 624.6  |
| 17.5° | 5763.0 | 4561.9 | 3518.9 | 2695.0 | 2330.4 | 2059.0 | 1499.4 | 1137.7 | 849.3  | 645.8  | 488.9  |
| 20°   | 5992.1 | 4591.4 | 3425.6 | 2514.1 | 2131.1 | 1851.3 | 1300.1 | 965.2  | 712.3  | 522.8  | 388.6  |
| 22.5° | 6009.0 | 4453.0 | 3222.0 | 2280.9 | 1912.1 | 1628.0 | 1136.2 | 832.3  | 624.6  | 469.1  | 368.8  |
| 25°   | 5788.3 | 4185.9 | 2949.3 | 2042.0 | 1687.3 | 1431.7 | 1018.9 | 798.4  | 628.9  | 544.0  | 500.2  |
| 27.5° | 5370.1 | 3815.7 | 2649.7 | 1803.2 | 1493.6 | 1295.8 | 970.8  | 798.4  | 681.2  | 614.8  | 630.3  |
| 30°   | 4790.7 | 3343.6 | 2232.9 | 1478.2 | 1215.3 | 1042.9 | 763.2  | 597.8  | 469.1  | 391.5  | 377.4  |
| 32.5° | 4038.8 | 2735.9 | 1731.1 | 1092.4 | 886.0  | 751.8  | 515.8  | 374.5  | 302.4  | 295.3  | 286.8  |
| 35°   | 3323.8 | 2160.8 | 1314.2 | 806.9  | 652.9  | 531.4  | 329.3  | 220.5  | 200.7  | 189.4  | 180.9  |
| 37.5° | 2625.7 | 1616.7 | 944.0  | 586.6  | 448.0  | 337.8  | 169.5  | 142.7  | 124.3  | 113.2  | 103.1  |
| 40°   | 1974.1 | 1161.7 | 665.5  | 354.7  | 234.6  | 145.6  | 101.8  | 87.6   | 77.7   | 72.1   | 69.2   |
| 42.5° | 1396.2 | 773.0  | 412.6  | 149.9  | 111.7  | 91.8   | 70.6   | 62.2   | 56.6   | 53.7   | 51.0   |
| 45°   | 811.2  | 480.5  | 166.8  | 87.6   | 70.6   | 63.5   | 52.4   | 46.7   | 43.8   | 41.1   | 39.6   |
| 47.5° | 507.3  | 193.6  | 86.1   | 56.6   | 49.5   | 45.2   | 38.2   | 36.7   | 33.9   | 32.4   | 32.4   |
| 50°   | 205.0  | 86.1   | 53.7   | 39.6   | 35.4   | 33.9   | 29.7   | 28.3   | 25.4   | 25.4   | 25.4   |
| 52.5° | 77.7   | 51.0   | 36.7   | 28.3   | 25.4   | 24.1   | 21.2   | 21.2   | 19.8   | 19.8   | 19.8   |
| 55°   | 45.2   | 33.9   | 25.4   | 19.8   | 18.4   | 18.4   | 17.0   | 17.0   | 15.5   | 15.5   | 15.5   |
| 57.5° | 29.7   | 22.7   | 18.4   | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   |
| 60°   | 19.8   | 15.5   | 12.8   | 11.3   | 11.3   | 11.3   | 11.3   | 12.8   | 12.8   | 12.8   | 12.8   |
| 62.5° | 14.0   | 12.8   | 11.3   | 11.3   | 11.3   | 11.3   | 11.3   | 12.8   | 12.8   | 12.8   | 14.0   |
| 65°   | 11.3   | 9.9    | 9.9    | 9.9    | 9.9    | 11.3   | 11.3   | 12.8   | 12.8   | 14.0   | 14.0   |
| 67.5° | 8.4    | 8.4    | 8.4    | 8.4    | 9.9    | 9.9    | 11.3   | 12.8   | 12.8   | 12.8   | 14.0   |
| 70°   | 7.1    | 8.4    | 8.4    | 9.9    | 9.9    | 9.9    | 11.3   | 11.3   | 12.8   | 12.8   | 14.0   |
| 72.5° | 7.1    | 8.4    | 8.4    | 9.9    | 9.9    | 9.9    | 11.3   | 12.8   | 12.8   | 12.8   | 14.0   |
| 75°   | 7.1    | 8.4    | 8.4    | 9.9    | 9.9    | 9.9    | 11.3   | 12.8   | 12.8   | 12.8   | 14.0   |
| 77.5° | 8.4    | 8.4    | 9.9    | 9.9    | 9.9    | 11.3   | 11.3   | 12.8   | 12.8   | 14.0   | 14.0   |
| 80°   | 8.4    | 8.4    | 9.9    | 9.9    | 9.9    | 11.3   | 11.3   | 12.8   | 12.8   | 14.0   | 14.0   |
| 82.5° | 8.4    | 8.4    | 9.9    | 9.9    | 9.9    | 11.3   | 11.3   | 12.8   | 12.8   | 14.0   | 14.0   |
| 85°   | 8.4    | 8.4    | 9.9    | 9.9    | 9.9    | 11.3   | 11.3   | 12.8   | 12.8   | 14.0   | 14.0   |
| 87.5° | 8.4    | 8.4    | 9.9    | 9.9    | 9.9    | 11.3   | 11.3   | 12.8   | 12.8   | 12.8   | 14.0   |
| 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



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**CANDELA DISTRIBUTION (continued):**

|       | 100°   | 105°   | 110°   | 112.5° | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 |
| 2.5°  | 1320.0 | 1255.0 | 1184.1 | 1161.7 | 1139.1 | 1095.3 | 1068.3 | 1020.3 | 985.1  | 949.6  | 921.4  |
| 5°    | 1143.3 | 1040.2 | 953.9  | 917.2  | 881.8  | 821.0  | 778.6  | 727.8  | 686.9  | 651.5  | 619.0  |
| 7.5°  | 959.5  | 840.9  | 754.6  | 717.9  | 682.6  | 616.1  | 562.4  | 498.9  | 450.7  | 411.3  | 378.7  |
| 10°   | 790.0  | 676.8  | 583.6  | 539.8  | 498.9  | 429.6  | 378.7  | 327.9  | 286.8  | 252.9  | 223.4  |
| 12.5° | 643.0  | 521.6  | 426.8  | 394.4  | 354.7  | 298.2  | 250.2  | 195.1  | 171.0  | 161.1  | 154.0  |
| 15°   | 498.9  | 390.0  | 311.0  | 281.2  | 245.9  | 192.2  | 171.0  | 161.1  | 154.0  | 149.9  | 144.1  |
| 17.5° | 380.1  | 289.7  | 212.1  | 192.2  | 180.9  | 169.5  | 163.9  | 156.9  | 152.6  | 151.3  | 147.0  |
| 20°   | 298.2  | 219.0  | 199.3  | 193.6  | 193.6  | 190.7  | 186.5  | 186.5  | 185.0  | 189.4  | 189.4  |
| 22.5° | 306.6  | 306.6  | 323.5  | 322.3  | 344.9  | 367.3  | 384.3  | 439.4  | 470.6  | 537.1  | 582.3  |
| 25°   | 535.6  | 586.6  | 645.8  | 664.2  | 708.0  | 773.0  | 840.9  | 925.6  | 985.1  | 1048.6 | 1074.0 |
| 27.5° | 668.4  | 676.8  | 668.4  | 689.6  | 661.3  | 644.4  | 650.0  | 659.9  | 659.9  | 664.2  | 681.2  |
| 30°   | 395.6  | 415.5  | 433.8  | 448.0  | 440.9  | 433.8  | 431.1  | 409.9  | 409.9  | 401.3  | 394.4  |
| 32.5° | 268.4  | 265.7  | 262.8  | 268.4  | 262.8  | 262.8  | 258.5  | 260.0  | 251.5  | 245.9  | 243.0  |
| 35°   | 183.8  | 175.2  | 165.4  | 166.8  | 161.1  | 159.6  | 155.5  | 155.5  | 149.9  | 147.0  | 145.6  |
| 37.5° | 101.8  | 101.8  | 97.4   | 98.9   | 97.4   | 97.4   | 97.4   | 98.9   | 97.4   | 97.4   | 98.9   |
| 40°   | 69.2   | 69.2   | 67.9   | 69.2   | 67.9   | 69.2   | 70.6   | 70.6   | 70.6   | 70.6   | 69.2   |
| 42.5° | 52.4   | 52.4   | 51.0   | 52.4   | 51.0   | 52.4   | 53.7   | 53.7   | 53.7   | 53.7   | 53.7   |
| 45°   | 41.1   | 41.1   | 41.1   | 41.1   | 41.1   | 41.1   | 41.1   | 42.3   | 42.3   | 41.1   | 41.1   |
| 47.5° | 32.4   | 33.9   | 32.4   | 32.4   | 32.4   | 32.4   | 33.9   | 33.9   | 32.4   | 32.4   | 32.4   |
| 50°   | 26.8   | 26.8   | 25.4   | 25.4   | 25.4   | 25.4   | 25.4   | 25.4   | 25.4   | 25.4   | 25.4   |
| 52.5° | 21.2   | 19.8   | 19.8   | 18.4   | 18.4   | 18.4   | 18.4   | 18.4   | 18.4   | 18.4   | 17.0   |
| 55°   | 15.5   | 15.5   | 14.0   | 14.0   | 14.0   | 15.5   | 15.5   | 15.5   | 15.5   | 14.0   | 14.0   |
| 57.5° | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 11.3   |
| 60°   | 12.8   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 11.3   | 9.9    |
| 62.5° | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 11.3   | 9.9    | 9.9    |
| 65°   | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 9.9    | 9.9    |
| 67.5° | 14.0   | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 11.3   | 9.9    |
| 70°   | 14.0   | 14.0   | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 9.9    |
| 72.5° | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 9.9    |
| 75°   | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 11.3   | 9.9    |
| 77.5° | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 11.3   | 9.9    |
| 80°   | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 11.3   | 9.9    |
| 82.5° | 14.0   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 9.9    | 9.9    |
| 85°   | 14.0   | 14.0   | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 9.9    | 9.9    | 8.4    |
| 87.5° | 12.8   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 11.3   | 9.9    | 8.4    | 8.4    | 7.1    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

TEST NUMBER: P1192845

CATALOG NUMBER: LDA6A75950D010TE LARH40FL 6LAL1LI 30°

**CANDELA DISTRIBUTION (continued):**

|       | 150°   | 155°   | 157.5° | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 | 1479.6 |
| 2.5°  | 887.4  | 881.8  | 877.6  | 886.0  | 883.3  | 847.8  | 852.2  | 850.7  |
| 5°    | 582.3  | 569.5  | 559.7  | 563.9  | 552.6  | 537.1  | 525.7  | 522.8  |
| 7.5°  | 346.2  | 332.2  | 323.5  | 315.1  | 312.2  | 292.6  | 284.1  | 289.7  |
| 10°   | 190.7  | 171.0  | 169.5  | 165.4  | 159.6  | 155.5  | 152.6  | 154.0  |
| 12.5° | 147.0  | 145.6  | 142.7  | 141.2  | 138.5  | 137.1  | 135.6  | 134.3  |
| 15°   | 140.0  | 138.5  | 137.1  | 135.6  | 134.3  | 132.8  | 131.4  | 131.4  |
| 17.5° | 144.1  | 144.1  | 142.7  | 141.2  | 141.2  | 142.7  | 141.2  | 140.0  |
| 20°   | 187.9  | 187.9  | 190.7  | 195.1  | 195.1  | 199.3  | 205.0  | 200.7  |
| 22.5° | 610.5  | 641.6  | 679.7  | 691.1  | 757.5  | 811.2  | 910.1  | 866.3  |
| 25°   | 1116.4 | 1187.1 | 1204.0 | 1228.1 | 1264.8 | 1283.3 | 1264.8 | 1288.9 |
| 27.5° | 678.3  | 702.4  | 705.1  | 706.6  | 715.0  | 713.8  | 695.2  | 706.6  |
| 30°   | 394.4  | 402.8  | 400.0  | 398.5  | 395.6  | 380.1  | 377.4  | 383.0  |
| 32.5° | 247.3  | 244.5  | 243.0  | 241.6  | 241.6  | 233.2  | 237.4  | 234.6  |
| 35°   | 141.2  | 145.6  | 144.1  | 142.7  | 138.5  | 137.1  | 137.1  | 135.6  |
| 37.5° | 94.7   | 96.2   | 94.7   | 93.3   | 90.5   | 89.0   | 87.6   | 86.1   |
| 40°   | 67.9   | 69.2   | 67.9   | 66.5   | 65.0   | 63.5   | 62.2   | 60.7   |
| 42.5° | 51.0   | 52.4   | 51.0   | 51.0   | 48.0   | 46.7   | 45.2   | 43.8   |
| 45°   | 39.6   | 38.2   | 38.2   | 38.2   | 36.7   | 35.4   | 33.9   | 33.9   |
| 47.5° | 32.4   | 32.4   | 32.4   | 31.0   | 29.7   | 29.7   | 29.7   | 28.3   |
| 50°   | 24.1   | 25.4   | 24.1   | 24.1   | 22.7   | 21.2   | 21.2   | 19.8   |
| 52.5° | 17.0   | 17.0   | 15.5   | 15.5   | 14.0   | 12.8   | 12.8   | 12.8   |
| 55°   | 12.8   | 12.8   | 12.8   | 11.3   | 11.3   | 9.9    | 9.9    | 9.9    |
| 57.5° | 11.3   | 9.9    | 9.9    | 9.9    | 8.4    | 8.4    | 7.1    | 7.1    |
| 60°   | 9.9    | 8.4    | 8.4    | 7.1    | 7.1    | 5.6    | 5.6    | 5.6    |
| 62.5° | 8.4    | 7.1    | 7.1    | 7.1    | 5.6    | 5.6    | 5.6    | 5.6    |
| 65°   | 8.4    | 7.1    | 7.1    | 7.1    | 5.6    | 5.6    | 5.6    | 5.6    |
| 67.5° | 8.4    | 8.4    | 7.1    | 7.1    | 7.1    | 5.6    | 5.6    | 5.6    |
| 70°   | 8.4    | 8.4    | 8.4    | 7.1    | 7.1    | 7.1    | 5.6    | 5.6    |
| 72.5° | 9.9    | 8.4    | 8.4    | 8.4    | 7.1    | 7.1    | 7.1    | 7.1    |
| 75°   | 9.9    | 8.4    | 8.4    | 8.4    | 7.1    | 7.1    | 7.1    | 7.1    |
| 77.5° | 9.9    | 8.4    | 8.4    | 8.4    | 7.1    | 7.1    | 7.1    | 7.1    |
| 80°   | 8.4    | 8.4    | 8.4    | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    |
| 82.5° | 8.4    | 8.4    | 8.4    | 8.4    | 7.1    | 7.1    | 7.1    | 7.1    |
| 85°   | 8.4    | 7.1    | 7.1    | 7.1    | 5.6    | 5.6    | 5.6    | 5.6    |
| 87.5° | 7.1    | 5.6    | 5.6    | 4.2    | 4.2    | 4.2    | 2.7    | 2.7    |
| 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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Peachtree City, GA 30269

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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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