

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: P1212526

Luminaire Tested: **LDSQA6A35930D010TE LARL15SP 6LSQA1H 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: P1212526  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29054)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: io LED  
Catalog Number: LDSQA6A35930D010TE LARL15SP 6LSQA1H 30°  
Description: PORTFOLIO 6" SQUARE ADJUSTABLE REFLECTOR, ANGLE-CUT TRIM,  
SELF-FLANGED, 15° SPOT, 30° Tilt  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

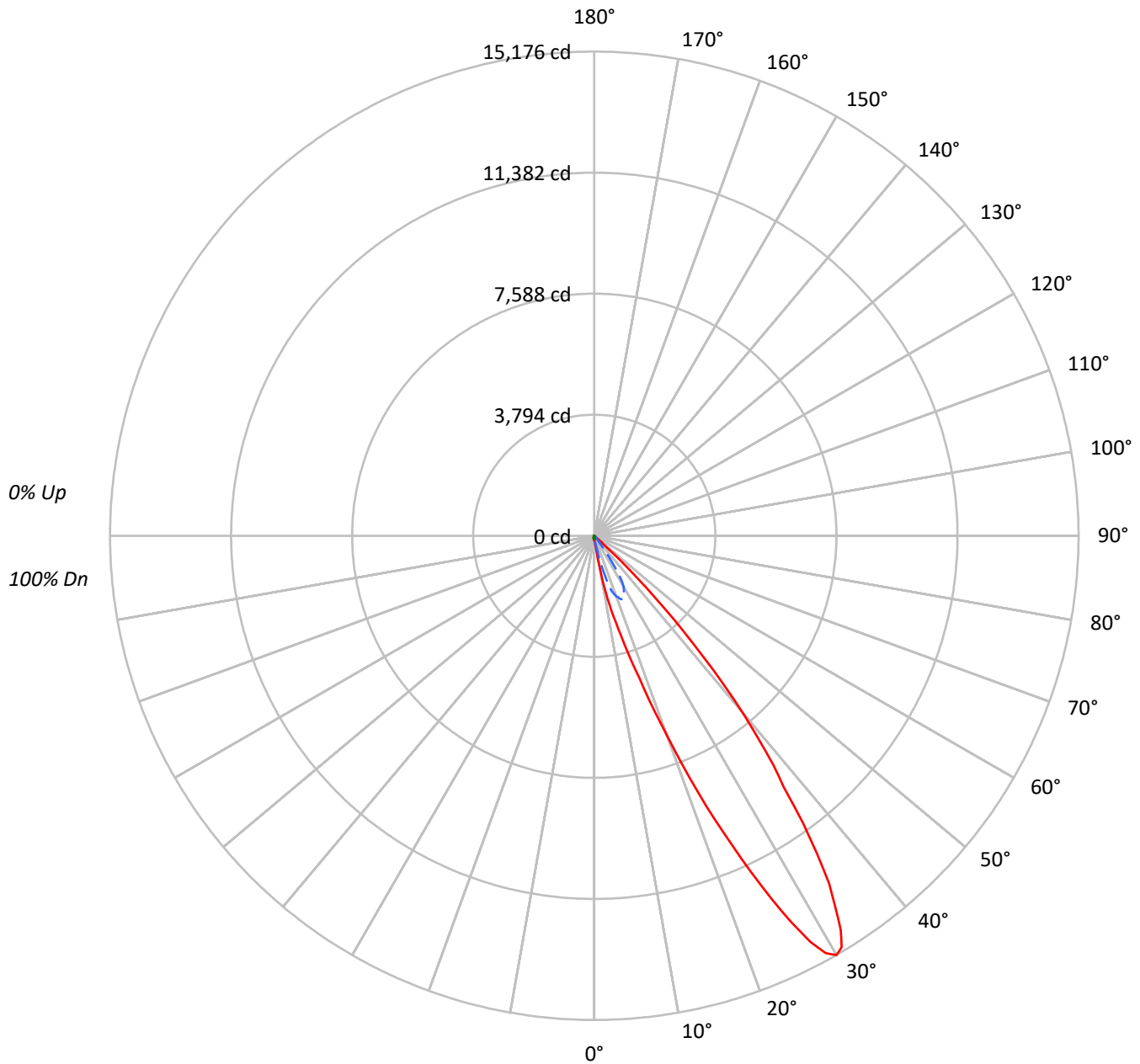
Lumens per Lamp: N/A  
Luminaire Lumens: 2232.5 lumens  
Efficiency: N/A  
Efficacy: 46.8 lumens/watt  
Spacing Criteria (0/90/45): 2.18 / 0.62 / 1.12  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 47.7  
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



TEST NUMBER: P1212526

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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   | 113 | 109 | 106 | 104 | 110 | 107 | 105 | 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  | 86  | 81  | 97  | 90  | 85  | 80  | 87  | 83  | 79  |  | 85  | 81  | 78  |  | 82  |
| 4   | 93  | 84  | 77  | 72  | 91  | 82  | 76  | 72  | 80  | 75  | 71  |  | 78  | 73  | 70  |  | 76  |
| 5   | 86  | 76  | 70  | 64  | 85  | 75  | 69  | 64  | 74  | 68  | 63  |  | 72  | 67  | 63  |  | 70  |
| 6   | 81  | 70  | 63  | 58  | 79  | 69  | 62  | 58  | 68  | 62  | 57  |  | 66  | 61  | 57  |  | 65  |
| 7   | 75  | 64  | 57  | 52  | 74  | 64  | 57  | 52  | 62  | 56  | 51  |  | 61  | 55  | 51  |  | 60  |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 52  | 47  | 57  | 51  | 47  |  | 56  | 50  | 46  |  | 55  |
| 9   | 66  | 54  | 47  | 42  | 65  | 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°  | 6299   | 6299 | 6299 |
| 5°  | 9716   | 5969 | 4793 |
| 10° | 52114  | 5303 | 3974 |
| 15° | 143690 | 4284 | 3401 |
| 20° | 305131 | 3207 | 2969 |
| 25° | 552322 | 2333 | 2584 |
| 30° | 754496 | 1720 | 2292 |
| 35° | 639555 | 1209 | 2092 |
| 40° | 405970 | 821  | 2001 |
| 45° | 140704 | 633  | 1839 |
| 50° | 8607   | 496  | 1614 |
| 55° | 1486   | 390  | 1254 |
| 60° | 353    | 353  | 809  |
| 65° | 224    | 418  | 642  |
| 70° | 277    | 516  | 655  |
| 75° | 0      | 682  | 682  |
| 80° | 0      | 1017 | 545  |
| 85° | 0      | 2025 | 543  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 18.2   | 0.8       |
| 10°-20°   | 229.6  | 10.3      |
| 20°-30°   | 797.8  | 35.7      |
| 30°-40°   | 874.7  | 39.2      |
| 40°-50°   | 288.5  | 12.9      |
| 50°-60°   | 12.0   | 0.5       |
| 60°-70°   | 5.2    | 0.2       |
| 70°-80°   | 4.0    | 0.2       |
| 80°-90°   | 2.6    | 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°    | 1045.6 | 46.8      |
| 0°-40°    | 1920.3 | 86.0      |
| 0°-60°    | 2220.7 | 99.5      |
| 0°-90°    | 2232.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2232.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 45°  | 90° | 135° | 180° | Flux |
|-----|-------|------|-----|------|------|------|
| 0°  | 146   | 146  | 146 | 146  | 146  |      |
| 5°  | 225   | 183  | 138 | 118  | 111  | 47   |
| 15° | 3224  | 1314 | 96  | 77   | 76   | 1071 |
| 25° | 11626 | 2155 | 49  | 48   | 54   | 5441 |
| 35° | 12168 | 718  | 23  | 30   | 40   | 7314 |
| 45° | 2311  | 36   | 10  | 21   | 30   | 2036 |
| 55° | 20    | 4    | 5   | 14   | 17   | 28   |
| 65° | 2     | 3    | 4   | 8    | 6    | 3    |
| 75° | 0     | 3    | 4   | 5    | 4    | 1    |
| 85° | 0     | 3    | 4   | 3    | 1    | 0    |
| 90° | 0     | 0    | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 2.5°    | 5°      | 7.5°    | 10°     | 12.5°   | 15°    | 17.5°  | 20°    | 22.5°  | 25°    |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0°    | 146.3   | 146.3   | 146.3   | 146.3   | 146.3   | 146.3   | 146.3  | 146.3  | 146.3  | 146.3  | 146.3  |
| 2.5°  | 173.5   | 172.4   | 172.4   | 172.4   | 171.5   | 169.4   | 169.4  | 170.5  | 170.5  | 169.4  | 170.5  |
| 5°    | 224.8   | 222.7   | 221.6   | 220.7   | 216.4   | 215.5   | 211.1  | 214.4  | 211.1  | 208.1  | 208.1  |
| 7.5°  | 412.0   | 410.9   | 393.1   | 381.6   | 361.8   | 338.8   | 332.5  | 333.5  | 319.0  | 305.3  | 297.0  |
| 10°   | 1192.0  | 1194.1  | 1141.7  | 1162.8  | 1087.4  | 1057.1  | 999.5  | 978.7  | 926.5  | 882.5  | 829.1  |
| 11°   | 1594.6  | 1592.5  | 1526.6  | 1546.4  | 1470.1  | 1427.2  | 1362.4 | 1328.9 | 1263.1 | 1219.1 | 1152.2 |
| 12°   | 2029.5  | 1965.8  | 1943.8  | 1962.5  | 1884.2  | 1827.7  | 1749.2 | 1706.4 | 1624.9 | 1579.9 | 1499.4 |
| 13°   | 2460.2  | 2441.5  | 2368.3  | 2386.1  | 2305.6  | 2182.1  | 2149.7 | 2098.6 | 2003.4 | 1950.1 | 1860.1 |
| 14°   | 2833.6  | 2764.6  | 2741.6  | 2753.1  | 2673.5  | 2556.5  | 2524.1 | 2508.5 | 2362.0 | 2304.5 | 2204.1 |
| 15°   | 3223.6  | 3139.9  | 3107.5  | 3064.7  | 3017.7  | 2878.6  | 2831.6 | 2801.2 | 2649.6 | 2553.3 | 2488.5 |
| 17.5° | 4641.5  | 4523.2  | 4443.8  | 4346.6  | 4243.1  | 3985.9  | 3879.2 | 3777.8 | 3512.2 | 3384.7 | 3192.3 |
| 20°   | 6659.5  | 6478.6  | 6274.6  | 6063.5  | 5860.6  | 5406.8  | 5143.3 | 4861.1 | 4498.2 | 4194.9 | 3964.9 |
| 21°   | 7636.1  | 7419.6  | 7173.9  | 7015.0  | 6633.4  | 6079.1  | 5723.6 | 5321.2 | 4854.8 | 4479.3 | 4189.7 |
| 22°   | 8659.8  | 8413.0  | 8208.0  | 7973.8  | 7444.8  | 6783.8  | 6337.4 | 5820.8 | 5217.7 | 4754.3 | 4388.4 |
| 23°   | 9654.1  | 9374.9  | 9129.2  | 8843.8  | 8232.1  | 7466.8  | 6936.5 | 6320.7 | 5594.0 | 5017.9 | 4565.2 |
| 24°   | 10603.4 | 10313.8 | 10031.6 | 9656.3  | 8955.7  | 8109.7  | 7486.6 | 6784.9 | 5952.6 | 5270.9 | 4731.3 |
| 25°   | 11626.2 | 11287.3 | 10922.4 | 10351.4 | 9639.5  | 8682.7  | 7965.4 | 7188.5 | 6271.6 | 5504.0 | 4871.5 |
| 26°   | 12644.5 | 12249.4 | 11702.5 | 11121.1 | 10269.9 | 9199.3  | 8381.5 | 7515.9 | 6543.4 | 5691.2 | 4975.0 |
| 27°   | 13600.3 | 13176.7 | 12534.8 | 11739.1 | 10835.6 | 9641.5  | 8724.6 | 7775.1 | 6732.7 | 5812.6 | 5023.1 |
| 28°   | 14417.8 | 13951.6 | 13236.3 | 12329.8 | 11257.0 | 9966.8  | 8951.4 | 7927.7 | 6823.6 | 5858.5 | 5029.4 |
| 29°   | 14956.4 | 14491.1 | 13720.5 | 12713.6 | 11495.3 | 10127.7 | 9041.4 | 7961.2 | 6818.4 | 5831.3 | 4986.5 |
| 30°   | 15176.0 | 14706.5 | 13919.2 | 12839.0 | 11540.3 | 10130.9 | 9004.9 | 7891.2 | 6727.5 | 5745.6 | 4901.8 |
| 31°   | 15047.3 | 14596.7 | 13797.9 | 12710.3 | 11381.4 | 9984.6  | 8851.1 | 7714.4 | 6546.6 | 5594.0 | 4775.2 |
| 32°   | 14572.6 | 14159.7 | 13392.2 | 12357.0 | 11054.2 | 9690.7  | 8586.5 | 7453.1 | 6291.4 | 5396.4 | 4617.4 |
| 33°   | 13849.0 | 13505.0 | 12721.0 | 11766.2 | 10617.1 | 9329.9  | 8264.5 | 7187.6 | 5984.1 | 5154.8 | 4449.1 |
| 34°   | 13155.8 | 12647.7 | 11952.4 | 11104.4 | 10056.6 | 8861.6  | 7865.1 | 6769.3 | 5657.8 | 4889.3 | 4256.6 |
| 35°   | 12167.8 | 11713.0 | 11070.9 | 10345.3 | 9404.3  | 8289.5  | 7293.1 | 6361.6 | 5292.9 | 4633.0 | 4054.9 |
| 36°   | 11125.3 | 10724.8 | 10258.4 | 9608.0  | 8707.9  | 7692.5  | 6780.8 | 5860.6 | 4917.4 | 4347.7 | 3841.6 |
| 37°   | 9851.8  | 9761.8  | 9328.0  | 8785.3  | 7981.2  | 7043.2  | 6185.9 | 5390.1 | 4566.2 | 4084.2 | 3607.4 |
| 38°   | 9099.9  | 8805.1  | 8407.8  | 7929.9  | 7141.5  | 6390.7  | 5611.9 | 4917.4 | 4247.3 | 3837.4 | 3340.8 |
| 39°   | 8143.2  | 7894.3  | 7528.3  | 7098.7  | 6420.1  | 5711.0  | 5077.4 | 4523.2 | 3983.8 | 3588.5 | 3053.2 |
| 40°   | 7223.0  | 7016.0  | 6680.3  | 6311.3  | 5695.4  | 5112.0  | 4616.3 | 4176.2 | 3722.4 | 3323.0 | 2768.8 |
| 42.5° | 4554.7  | 4452.1  | 4314.2  | 4264.0  | 4043.3  | 3891.8  | 3710.9 | 3456.7 | 3057.3 | 2607.7 | 2220.8 |
| 45°   | 2310.8  | 2245.0  | 2242.8  | 2345.2  | 2415.4  | 2422.6  | 2405.9 | 2341.1 | 2081.9 | 1953.2 | 1609.2 |
| 47.5° | 389.0   | 370.1   | 381.6   | 450.7   | 547.9   | 666.0   | 797.8  | 959.9  | 1133.5 | 1096.9 | 844.9  |
| 50°   | 128.5   | 124.4   | 121.3   | 124.4   | 120.2   | 123.3   | 121.3  | 118.1  | 106.7  | 112.0  | 115.0  |
| 51°   | 79.4    | 84.8    | 81.5    | 83.7    | 82.6    | 85.7    | 85.7   | 84.8   | 77.4   | 72.2   | 65.9   |
| 52°   | 54.4    | 55.4    | 56.5    | 57.4    | 56.5    | 57.4    | 58.5   | 58.5   | 56.5   | 54.4   | 49.1   |
| 53°   | 38.7    | 38.7    | 39.8    | 39.8    | 39.8    | 40.9    | 40.9   | 40.9   | 39.8   | 39.8   | 38.7   |
| 54°   | 27.2    | 28.3    | 28.3    | 28.3    | 28.3    | 29.3    | 29.3   | 29.3   | 30.2   | 29.3   | 29.3   |
| 55°   | 19.8    | 19.8    | 19.8    | 19.8    | 19.8    | 19.8    | 20.9   | 20.9   | 22.0   | 22.0   | 20.9   |
| 57.5° | 8.3     | 8.3     | 7.4     | 8.3     | 8.3     | 8.3     | 8.3    | 9.4    | 9.4    | 10.4   | 10.4   |
| 60°   | 4.1     | 4.1     | 4.1     | 4.1     | 3.1     | 4.1     | 4.1    | 4.1    | 4.1    | 5.2    | 5.2    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 63°   | 2.2 | 2.2  | 2.2 | 2.2  | 2.2 | 2.2   | 1.1 | 2.2   | 2.2 | 2.2   | 2.2 |
| 64°   | 2.2 | 2.2  | 2.2 | 2.2  | 2.2 | 2.2   | 2.2 | 1.1   | 1.1 | 1.1   | 1.1 |
| 65°   | 2.2 | 2.2  | 2.2 | 2.2  | 2.2 | 2.2   | 2.2 | 1.1   | 1.1 | 1.1   | 1.1 |
| 66°   | 2.2 | 2.2  | 2.2 | 2.2  | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 1.1   | 1.1 |
| 67.5° | 2.2 | 2.2  | 2.2 | 2.2  | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 1.1 |
| 70°   | 2.2 | 2.2  | 2.2 | 2.2  | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 |
| 72.5° | 2.2 | 1.1  | 2.2 | 2.2  | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 |
| 75°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 1.1   | 1.1 | 1.1   | 1.1 |
| 77.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 1.1   | 1.1 | 1.1   | 1.1 |
| 80°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 1.1 | 1.1   | 1.1 | 1.1   | 1.1 |
| 82.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 1.1   | 1.1 | 1.1   | 1.1 |
| 85°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 1.1   | 1.1 | 1.1   | 1.1 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 1.1   | 1.1 | 1.1   | 1.1 |
| 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):**

|       | 27.5°  | 30°    | 32.5°  | 35°    | 37.5°  | 40°    | 42.5°  | 45°    | 47.5°  | 50°    | 52.5°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 146.3  | 146.3  | 146.3  | 146.3  | 146.3  | 146.3  | 146.3  | 146.3  | 146.3  | 146.3  | 146.3  |
| 2.5°  | 167.2  | 169.4  | 166.3  | 168.3  | 164.2  | 164.2  | 161.1  | 162.0  | 161.1  | 158.9  | 158.9  |
| 5°    | 202.9  | 202.9  | 197.6  | 197.6  | 191.3  | 188.3  | 183.1  | 183.1  | 179.8  | 174.6  | 173.5  |
| 7.5°  | 278.1  | 267.7  | 256.1  | 252.0  | 239.4  | 231.1  | 221.6  | 217.4  | 208.1  | 199.8  | 193.5  |
| 10°   | 744.5  | 675.5  | 607.5  | 565.7  | 463.1  | 389.0  | 333.5  | 295.9  | 268.7  | 236.3  | 223.7  |
| 11°   | 1049.8 | 961.9  | 873.0  | 786.2  | 686.0  | 584.5  | 520.7  | 420.3  | 356.6  | 284.4  | 249.8  |
| 12°   | 1380.2 | 1276.7 | 1168.9 | 1070.6 | 950.4  | 823.0  | 735.1  | 607.5  | 517.5  | 397.3  | 313.7  |
| 13°   | 1719.0 | 1601.8 | 1473.3 | 1370.9 | 1234.8 | 1088.5 | 950.4  | 832.3  | 720.4  | 563.6  | 441.2  |
| 14°   | 2045.2 | 1920.8 | 1779.7 | 1671.8 | 1519.2 | 1360.3 | 1204.6 | 1073.9 | 938.0  | 750.8  | 600.1  |
| 15°   | 2335.9 | 2246.9 | 2068.2 | 1961.6 | 1797.5 | 1628.1 | 1454.4 | 1314.4 | 1153.3 | 945.2  | 771.7  |
| 17.5° | 2944.4 | 2780.3 | 2561.8 | 2456.1 | 2293.0 | 2146.7 | 1958.4 | 1831.9 | 1633.3 | 1413.7 | 1222.4 |
| 20°   | 3661.7 | 3420.2 | 3124.3 | 2901.6 | 2619.2 | 2362.0 | 2124.7 | 2025.4 | 1901.9 | 1752.5 | 1573.6 |
| 21°   | 3858.3 | 3598.0 | 3274.9 | 3047.9 | 2758.3 | 2493.7 | 2214.5 | 2056.7 | 1921.9 | 1792.3 | 1642.7 |
| 22°   | 4001.6 | 3726.5 | 3386.7 | 3150.4 | 2852.5 | 2590.0 | 2304.5 | 2115.2 | 1935.4 | 1789.0 | 1654.2 |
| 23°   | 4122.9 | 3830.0 | 3476.7 | 3219.5 | 2907.9 | 2637.0 | 2350.4 | 2162.3 | 1963.6 | 1781.6 | 1635.3 |
| 24°   | 4232.7 | 3911.6 | 3540.4 | 3264.5 | 2936.0 | 2653.7 | 2356.7 | 2170.6 | 1977.3 | 1786.0 | 1610.3 |
| 25°   | 4315.1 | 3962.9 | 3577.0 | 3287.3 | 2942.3 | 2648.5 | 2342.2 | 2155.0 | 1961.6 | 1772.3 | 1582.0 |
| 26°   | 4371.7 | 3986.8 | 3587.4 | 3286.3 | 2929.9 | 2627.6 | 2311.9 | 2122.6 | 1923.8 | 1723.1 | 1535.9 |
| 27°   | 4389.5 | 3980.7 | 3572.8 | 3262.3 | 2898.4 | 2586.8 | 2260.6 | 2060.8 | 1865.3 | 1664.6 | 1474.4 |
| 28°   | 4371.7 | 3955.5 | 3539.3 | 3215.2 | 2846.2 | 2520.0 | 2178.0 | 1979.3 | 1802.7 | 1599.8 | 1399.0 |
| 29°   | 4322.5 | 3910.5 | 3477.8 | 3145.1 | 2763.5 | 2411.1 | 2072.3 | 1901.0 | 1730.5 | 1501.6 | 1272.4 |
| 30°   | 4246.2 | 3829.0 | 3388.9 | 3042.7 | 2641.1 | 2274.1 | 1977.3 | 1828.8 | 1611.4 | 1342.6 | 1095.8 |
| 31°   | 4139.6 | 3723.5 | 3273.8 | 2906.8 | 2478.1 | 2140.4 | 1894.7 | 1693.8 | 1425.2 | 1132.4 | 880.4  |
| 32°   | 4009.9 | 3598.0 | 3106.4 | 2725.9 | 2317.1 | 2034.7 | 1748.3 | 1487.9 | 1190.0 | 883.6  | 642.1  |
| 33°   | 3870.9 | 3436.9 | 2915.1 | 2535.7 | 2179.1 | 1893.6 | 1537.0 | 1233.9 | 926.5  | 621.2  | 404.6  |
| 34°   | 3709.8 | 3239.3 | 2700.7 | 2344.3 | 2024.3 | 1681.4 | 1286.1 | 958.9  | 660.8  | 377.5  | 208.1  |
| 35°   | 3515.4 | 2995.7 | 2487.4 | 2179.1 | 1802.7 | 1400.0 | 1011.1 | 718.4  | 414.0  | 190.3  | 112.9  |
| 36°   | 3280.1 | 2744.6 | 2302.4 | 1966.9 | 1543.3 | 1124.1 | 729.9  | 457.9  | 222.7  | 112.0  | 88.9   |
| 37°   | 2981.0 | 2538.7 | 2108.0 | 1713.8 | 1263.1 | 843.8  | 470.5  | 248.9  | 127.6  | 90.9   | 75.2   |
| 38°   | 2722.7 | 2348.5 | 1899.9 | 1437.7 | 973.4  | 578.2  | 285.5  | 140.0  | 100.4  | 76.3   | 62.8   |
| 39°   | 2500.0 | 2144.5 | 1627.0 | 1147.0 | 694.3  | 350.3  | 156.8  | 106.7  | 83.7   | 62.8   | 53.3   |
| 40°   | 2305.6 | 1853.8 | 1338.3 | 860.6  | 446.4  | 194.4  | 112.9  | 88.9   | 68.0   | 52.2   | 42.8   |
| 42.5° | 1691.8 | 1176.3 | 620.1  | 278.1  | 130.7  | 97.2   | 71.1   | 56.5   | 43.9   | 32.4   | 27.2   |
| 45°   | 1004.8 | 529.0  | 187.2  | 113.9  | 82.6   | 61.7   | 45.0   | 35.6   | 27.2   | 19.8   | 16.7   |
| 47.5° | 367.0  | 133.9  | 92.0   | 68.9   | 52.2   | 38.7   | 28.3   | 22.0   | 16.7   | 11.5   | 9.4    |
| 50°   | 75.2   | 64.8   | 50.2   | 40.9   | 30.2   | 23.0   | 16.7   | 12.6   | 9.4    | 7.4    | 6.3    |
| 51°   | 57.4   | 50.2   | 40.9   | 32.4   | 24.1   | 18.9   | 13.7   | 10.4   | 8.3    | 6.3    | 5.2    |
| 52°   | 43.9   | 38.7   | 31.3   | 26.1   | 19.8   | 14.6   | 10.4   | 8.3    | 6.3    | 4.1    | 4.1    |
| 53°   | 34.6   | 30.2   | 24.1   | 19.8   | 15.7   | 11.5   | 8.3    | 6.3    | 5.2    | 4.1    | 4.1    |
| 54°   | 26.1   | 23.0   | 18.9   | 15.7   | 12.6   | 9.4    | 6.3    | 5.2    | 4.1    | 4.1    | 3.1    |
| 55°   | 18.9   | 17.8   | 14.6   | 11.5   | 9.4    | 7.4    | 5.2    | 4.1    | 4.1    | 3.1    | 3.1    |
| 57.5° | 9.4    | 8.3    | 7.4    | 6.3    | 5.2    | 4.1    | 3.1    | 3.1    | 3.1    | 3.1    | 2.2    |
| 60°   | 5.2    | 4.1    | 4.1    | 4.1    | 3.1    | 3.1    | 3.1    | 2.2    | 2.2    | 3.1    | 3.1    |

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P1212526

CATALOG NUMBER: LDSQA6A35930D010TE LARL15SP 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

|       | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|-------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 63°   | 2.2   | 2.2 | 2.2   | 2.2 | 3.1   | 2.2 | 2.2   | 2.2 | 3.1   | 3.1 | 3.1   |
| 64°   | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 65°   | 1.1   | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 66°   | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 67.5° | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 70°   | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 72.5° | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 75°   | 1.1   | 1.1 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 77.5° | 1.1   | 1.1 | 2.2   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 80°   | 1.1   | 1.1 | 1.1   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 82.5° | 1.1   | 1.1 | 1.1   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 85°   | 1.1   | 1.1 | 1.1   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 87.5° | 1.1   | 1.1 | 1.1   | 2.2 | 2.2   | 2.2 | 2.2   | 3.1 | 3.1   | 3.1 | 3.1   |
| 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: P1212526

CATALOG NUMBER: LDSQA6A35930D010TE LARL15SP 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 57.5°  | 60°    | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   | 77.5° | 80°   |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 146.3  | 146.3  | 146.3  | 146.3 | 146.3 | 146.3 | 146.3 | 146.3 | 146.3 | 146.3 | 146.3 |
| 2.5°  | 155.9  | 157.9  | 155.9  | 153.7 | 152.6 | 152.6 | 151.6 | 148.5 | 149.6 | 148.5 | 148.5 |
| 5°    | 168.3  | 169.4  | 165.2  | 162.0 | 160.0 | 157.9 | 155.9 | 151.6 | 150.5 | 149.6 | 148.5 |
| 7.5°  | 185.0  | 184.0  | 175.7  | 170.5 | 165.2 | 161.1 | 156.8 | 151.6 | 149.6 | 146.3 | 144.4 |
| 10°   | 209.2  | 201.8  | 188.3  | 178.7 | 171.5 | 163.1 | 156.8 | 148.5 | 144.4 | 140.0 | 137.0 |
| 11°   | 219.6  | 209.2  | 195.5  | 183.1 | 173.5 | 164.2 | 156.8 | 146.3 | 141.1 | 137.0 | 132.8 |
| 12°   | 252.0  | 223.7  | 201.8  | 188.3 | 175.7 | 165.2 | 155.9 | 145.3 | 139.1 | 132.8 | 128.5 |
| 13°   | 326.2  | 260.3  | 215.5  | 191.3 | 178.7 | 166.3 | 154.8 | 143.3 | 135.9 | 128.5 | 124.4 |
| 14°   | 447.5  | 334.6  | 248.9  | 202.9 | 179.8 | 166.3 | 153.7 | 141.1 | 132.8 | 125.5 | 120.2 |
| 15°   | 592.9  | 449.6  | 316.8  | 231.1 | 184.0 | 165.2 | 151.6 | 138.1 | 128.5 | 120.2 | 115.0 |
| 17.5° | 998.6  | 811.4  | 608.6  | 432.9 | 267.7 | 180.9 | 143.3 | 127.6 | 116.1 | 106.7 | 100.4 |
| 20°   | 1338.3 | 1123.0 | 894.1  | 675.5 | 463.1 | 288.5 | 165.2 | 116.1 | 102.4 | 92.0  | 85.7  |
| 21°   | 1412.6 | 1210.9 | 968.2  | 739.3 | 519.7 | 334.6 | 187.2 | 116.1 | 97.2  | 86.8  | 80.5  |
| 22°   | 1451.3 | 1256.8 | 1014.3 | 781.0 | 558.4 | 367.0 | 210.2 | 117.2 | 92.0  | 81.5  | 74.2  |
| 23°   | 1445.0 | 1267.2 | 1031.9 | 793.6 | 576.2 | 382.7 | 219.6 | 118.1 | 86.8  | 76.3  | 68.9  |
| 24°   | 1407.4 | 1239.1 | 1014.3 | 779.0 | 571.0 | 378.5 | 216.4 | 116.1 | 81.5  | 71.1  | 64.8  |
| 25°   | 1360.3 | 1183.7 | 966.1  | 739.3 | 537.5 | 352.4 | 200.7 | 108.7 | 77.4  | 67.0  | 60.7  |
| 26°   | 1307.0 | 1128.2 | 899.3  | 669.2 | 483.1 | 308.5 | 169.4 | 96.1  | 71.1  | 61.7  | 56.5  |
| 27°   | 1243.3 | 1056.1 | 816.7  | 594.9 | 407.7 | 248.9 | 135.9 | 81.5  | 65.9  | 56.5  | 52.2  |
| 28°   | 1148.0 | 953.6  | 711.0  | 496.6 | 326.2 | 188.3 | 102.4 | 70.0  | 60.7  | 52.2  | 48.1  |
| 29°   | 1005.8 | 809.3  | 579.2  | 387.9 | 239.4 | 129.6 | 78.5  | 62.8  | 54.4  | 47.0  | 43.9  |
| 30°   | 828.2  | 639.9  | 429.7  | 266.6 | 153.7 | 87.8  | 63.7  | 55.4  | 48.1  | 42.8  | 40.9  |
| 31°   | 627.3  | 454.9  | 278.1  | 153.7 | 92.0  | 64.8  | 56.5  | 48.1  | 42.8  | 38.7  | 37.6  |
| 32°   | 414.0  | 275.0  | 147.4  | 88.9  | 67.0  | 56.5  | 49.1  | 42.8  | 38.7  | 35.6  | 34.6  |
| 33°   | 221.6  | 126.5  | 84.8   | 67.0  | 56.5  | 49.1  | 42.8  | 37.6  | 34.6  | 32.4  | 31.3  |
| 34°   | 112.9  | 82.6   | 68.9   | 57.4  | 48.1  | 42.8  | 37.6  | 33.5  | 31.3  | 29.3  | 28.3  |
| 35°   | 83.7   | 71.1   | 59.6   | 49.1  | 41.8  | 37.6  | 33.5  | 30.2  | 28.3  | 26.1  | 26.1  |
| 36°   | 71.1   | 59.6   | 49.1   | 42.8  | 37.6  | 33.5  | 30.2  | 26.1  | 25.0  | 24.1  | 23.0  |
| 37°   | 59.6   | 51.3   | 42.8   | 36.5  | 32.4  | 29.3  | 26.1  | 24.1  | 22.0  | 20.9  | 20.9  |
| 38°   | 50.2   | 43.9   | 36.5   | 31.3  | 28.3  | 26.1  | 23.0  | 20.9  | 19.8  | 18.9  | 18.9  |
| 39°   | 41.8   | 36.5   | 31.3   | 27.2  | 24.1  | 22.0  | 19.8  | 18.9  | 17.8  | 16.7  | 16.7  |
| 40°   | 34.6   | 31.3   | 26.1   | 23.0  | 20.9  | 18.9  | 17.8  | 16.7  | 15.7  | 14.6  | 15.7  |
| 42.5° | 22.0   | 18.9   | 16.7   | 15.7  | 13.7  | 13.7  | 12.6  | 11.5  | 11.5  | 11.5  | 11.5  |
| 45°   | 12.6   | 11.5   | 10.4   | 10.4  | 9.4   | 9.4   | 9.4   | 8.3   | 9.4   | 9.4   | 9.4   |
| 47.5° | 7.4    | 7.4    | 6.3    | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   | 6.3   | 7.4   | 7.4   |
| 50°   | 4.1    | 4.1    | 4.1    | 4.1   | 4.1   | 4.1   | 4.1   | 4.1   | 4.1   | 5.2   | 5.2   |
| 51°   | 4.1    | 4.1    | 4.1    | 4.1   | 4.1   | 4.1   | 4.1   | 4.1   | 4.1   | 4.1   | 5.2   |
| 52°   | 4.1    | 4.1    | 4.1    | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 4.1   | 4.1   | 4.1   |
| 53°   | 3.1    | 4.1    | 3.1    | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 4.1   | 4.1   | 4.1   |
| 54°   | 3.1    | 3.1    | 3.1    | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 4.1   | 4.1   |
| 55°   | 3.1    | 3.1    | 3.1    | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 4.1   | 4.1   |
| 57.5° | 3.1    | 3.1    | 3.1    | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 4.1   |
| 60°   | 3.1    | 3.1    | 3.1    | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 3.1   | 4.1   |



TEST NUMBER: P1212526

CATALOG NUMBER: LDSQA6A35930D010TE LARL15SP 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

|       | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| 63°   | 3.1 | 3.1   | 3.1 | 3.1   | 3.1 | 4.1   | 3.1 | 3.1   | 3.1 | 4.1   | 4.1 |
| 64°   | 3.1 | 3.1   | 3.1 | 3.1   | 3.1 | 4.1   | 3.1 | 3.1   | 3.1 | 3.1   | 4.1 |
| 65°   | 3.1 | 3.1   | 4.1 | 4.1   | 4.1 | 4.1   | 3.1 | 3.1   | 3.1 | 3.1   | 4.1 |
| 66°   | 3.1 | 3.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 3.1   | 3.1 | 4.1   | 4.1 |
| 67.5° | 3.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 3.1   | 4.1 | 4.1   | 4.1 |
| 70°   | 3.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 |
| 72.5° | 3.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 |
| 75°   | 3.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 |
| 77.5° | 3.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 |
| 80°   | 3.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 |
| 82.5° | 3.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 |
| 85°   | 3.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 |
| 87.5° | 3.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 | 4.1   | 4.1 |
| 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: P1212526

CATALOG NUMBER: LDSQA6A35930D010TE LARL15SP 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

|       | 82.5° | 85°   | 87.5° | 90°   | 112.5° | 135°  | 157.5° | 180°  |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0°    | 146.3 | 146.3 | 146.3 | 146.3 | 146.3  | 146.3 | 146.3  | 146.3 |
| 2.5°  | 145.3 | 144.4 | 143.3 | 143.3 | 134.8  | 130.7 | 125.5  | 125.5 |
| 5°    | 143.3 | 142.2 | 140.0 | 138.1 | 124.4  | 118.1 | 112.0  | 110.9 |
| 7.5°  | 139.1 | 135.9 | 132.8 | 130.7 | 113.9  | 106.7 | 100.4  | 99.4  |
| 10°   | 130.7 | 126.5 | 123.3 | 121.3 | 103.5  | 96.1  | 90.9   | 90.9  |
| 11°   | 126.5 | 122.4 | 119.2 | 116.1 | 98.3   | 92.0  | 87.8   | 87.8  |
| 12°   | 122.4 | 118.1 | 113.9 | 112.0 | 94.1   | 88.9  | 84.8   | 83.7  |
| 13°   | 118.1 | 112.9 | 109.8 | 106.7 | 90.0   | 84.8  | 81.5   | 81.5  |
| 14°   | 113.9 | 108.7 | 104.6 | 101.3 | 85.7   | 80.5  | 78.5   | 78.5  |
| 15°   | 107.6 | 102.4 | 99.4  | 96.1  | 80.5   | 77.4  | 75.2   | 76.3  |
| 17.5° | 93.1  | 88.9  | 85.7  | 82.6  | 70.0   | 68.9  | 68.9   | 70.0  |
| 20°   | 79.4  | 75.2  | 72.2  | 70.0  | 60.7   | 61.7  | 62.8   | 64.8  |
| 21°   | 74.2  | 70.0  | 67.0  | 64.8  | 57.4   | 58.5  | 60.7   | 62.8  |
| 22°   | 68.9  | 65.9  | 62.8  | 60.7  | 54.4   | 55.4  | 58.5   | 60.7  |
| 23°   | 63.7  | 60.7  | 58.5  | 56.5  | 51.3   | 53.3  | 56.5   | 58.5  |
| 24°   | 59.6  | 56.5  | 54.4  | 52.2  | 48.1   | 50.2  | 54.4   | 56.5  |
| 25°   | 55.4  | 52.2  | 50.2  | 49.1  | 45.0   | 48.1  | 52.2   | 54.4  |
| 26°   | 51.3  | 49.1  | 47.0  | 46.1  | 42.8   | 46.1  | 50.2   | 53.3  |
| 27°   | 47.0  | 45.0  | 43.9  | 42.8  | 39.8   | 43.9  | 48.1   | 51.3  |
| 28°   | 43.9  | 41.8  | 40.9  | 39.8  | 37.6   | 41.8  | 47.0   | 49.1  |
| 29°   | 40.9  | 38.7  | 37.6  | 36.5  | 35.6   | 39.8  | 45.0   | 48.1  |
| 30°   | 37.6  | 36.5  | 34.6  | 34.6  | 33.5   | 38.7  | 42.8   | 46.1  |
| 31°   | 34.6  | 33.5  | 32.4  | 31.3  | 31.3   | 36.5  | 41.8   | 45.0  |
| 32°   | 32.4  | 31.3  | 30.2  | 29.3  | 30.2   | 34.6  | 39.8   | 43.9  |
| 33°   | 29.3  | 28.3  | 28.3  | 27.2  | 28.3   | 33.5  | 38.7   | 42.8  |
| 34°   | 26.1  | 26.1  | 25.0  | 25.0  | 27.2   | 32.4  | 37.6   | 40.9  |
| 35°   | 24.1  | 23.0  | 23.0  | 23.0  | 26.1   | 30.2  | 36.5   | 39.8  |
| 36°   | 22.0  | 22.0  | 20.9  | 20.9  | 25.0   | 29.3  | 35.6   | 38.7  |
| 37°   | 19.8  | 19.8  | 19.8  | 18.9  | 23.0   | 28.3  | 33.5   | 37.6  |
| 38°   | 17.8  | 17.8  | 17.8  | 17.8  | 22.0   | 27.2  | 33.5   | 37.6  |
| 39°   | 15.7  | 15.7  | 16.7  | 16.7  | 20.9   | 26.1  | 31.3   | 36.5  |
| 40°   | 14.6  | 14.6  | 14.6  | 14.6  | 19.8   | 25.0  | 30.2   | 35.6  |
| 42.5° | 11.5  | 11.5  | 12.6  | 12.6  | 17.8   | 23.0  | 28.3   | 32.4  |
| 45°   | 9.4   | 9.4   | 10.4  | 10.4  | 15.7   | 20.9  | 25.0   | 30.2  |
| 47.5° | 7.4   | 7.4   | 8.3   | 8.3   | 13.7   | 18.9  | 23.0   | 27.2  |
| 50°   | 5.2   | 6.3   | 6.3   | 7.4   | 12.6   | 16.7  | 19.8   | 24.1  |
| 51°   | 5.2   | 5.2   | 6.3   | 6.3   | 11.5   | 15.7  | 18.9   | 23.0  |
| 52°   | 5.2   | 5.2   | 6.3   | 6.3   | 10.4   | 14.6  | 17.8   | 20.9  |
| 53°   | 4.1   | 5.2   | 5.2   | 6.3   | 10.4   | 14.6  | 16.7   | 19.8  |
| 54°   | 4.1   | 4.1   | 5.2   | 5.2   | 10.4   | 13.7  | 16.7   | 17.8  |
| 55°   | 4.1   | 4.1   | 5.2   | 5.2   | 9.4    | 13.7  | 15.7   | 16.7  |
| 57.5° | 4.1   | 4.1   | 4.1   | 4.1   | 8.3    | 11.5  | 13.7   | 13.7  |
| 60°   | 4.1   | 4.1   | 4.1   | 4.1   | 8.3    | 10.4  | 12.6   | 9.4   |



TEST NUMBER: P1212526

CATALOG NUMBER: LDSQA6A35930D010TE LARL15SP 6LSQA1H 30°

**CANDELA DISTRIBUTION (continued):**

|       | 82.5° | 85° | 87.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|-------|-----|--------|------|--------|------|
| 63°   | 4.1   | 4.1 | 4.1   | 4.1 | 7.4    | 9.4  | 9.4    | 7.4  |
| 64°   | 4.1   | 4.1 | 4.1   | 4.1 | 7.4    | 9.4  | 9.4    | 7.4  |
| 65°   | 4.1   | 4.1 | 4.1   | 4.1 | 7.4    | 8.3  | 8.3    | 6.3  |
| 66°   | 4.1   | 4.1 | 4.1   | 4.1 | 7.4    | 8.3  | 8.3    | 6.3  |
| 67.5° | 4.1   | 4.1 | 4.1   | 4.1 | 6.3    | 7.4  | 7.4    | 6.3  |
| 70°   | 4.1   | 4.1 | 4.1   | 4.1 | 6.3    | 7.4  | 6.3    | 5.2  |
| 72.5° | 4.1   | 4.1 | 4.1   | 4.1 | 6.3    | 6.3  | 5.2    | 4.1  |
| 75°   | 4.1   | 4.1 | 4.1   | 4.1 | 5.2    | 5.2  | 4.1    | 4.1  |
| 77.5° | 4.1   | 4.1 | 4.1   | 4.1 | 5.2    | 5.2  | 4.1    | 3.1  |
| 80°   | 4.1   | 4.1 | 4.1   | 4.1 | 5.2    | 4.1  | 3.1    | 2.2  |
| 82.5° | 4.1   | 4.1 | 4.1   | 4.1 | 4.1    | 3.1  | 2.2    | 2.2  |
| 85°   | 4.1   | 4.1 | 4.1   | 4.1 | 4.1    | 3.1  | 2.2    | 1.1  |
| 87.5° | 4.1   | 4.1 | 4.1   | 4.1 | 4.1    | 3.1  | 1.1    | 1.1  |
| 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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 61° | 4.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 4.1 | 4.1 |
| 62° | 3.1 | 3.1 | 3.1 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 |

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|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 61° | 4.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 2.2 | 2.2 | 3.1 | 3.1 |
| 62° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 2.2 | 2.2 | 2.2 | 3.1 | 3.1 |

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|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 61° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 4.1 |
| 62° | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 |

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|     |     |     |     |     |     |      |      |     |
|-----|-----|-----|-----|-----|-----|------|------|-----|
| 61° | 4.1 | 4.1 | 4.1 | 4.1 | 7.4 | 10.4 | 11.5 | 8.3 |
| 62° | 4.1 | 4.1 | 4.1 | 4.1 | 7.4 | 9.4  | 10.4 | 7.4 |

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(END OF REPORT)