

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P684790

Luminaire Tested: **LX6C100D010 EX61009050 6LRMDLI**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684790  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C100D010 EX61009050 6LRMDLI  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

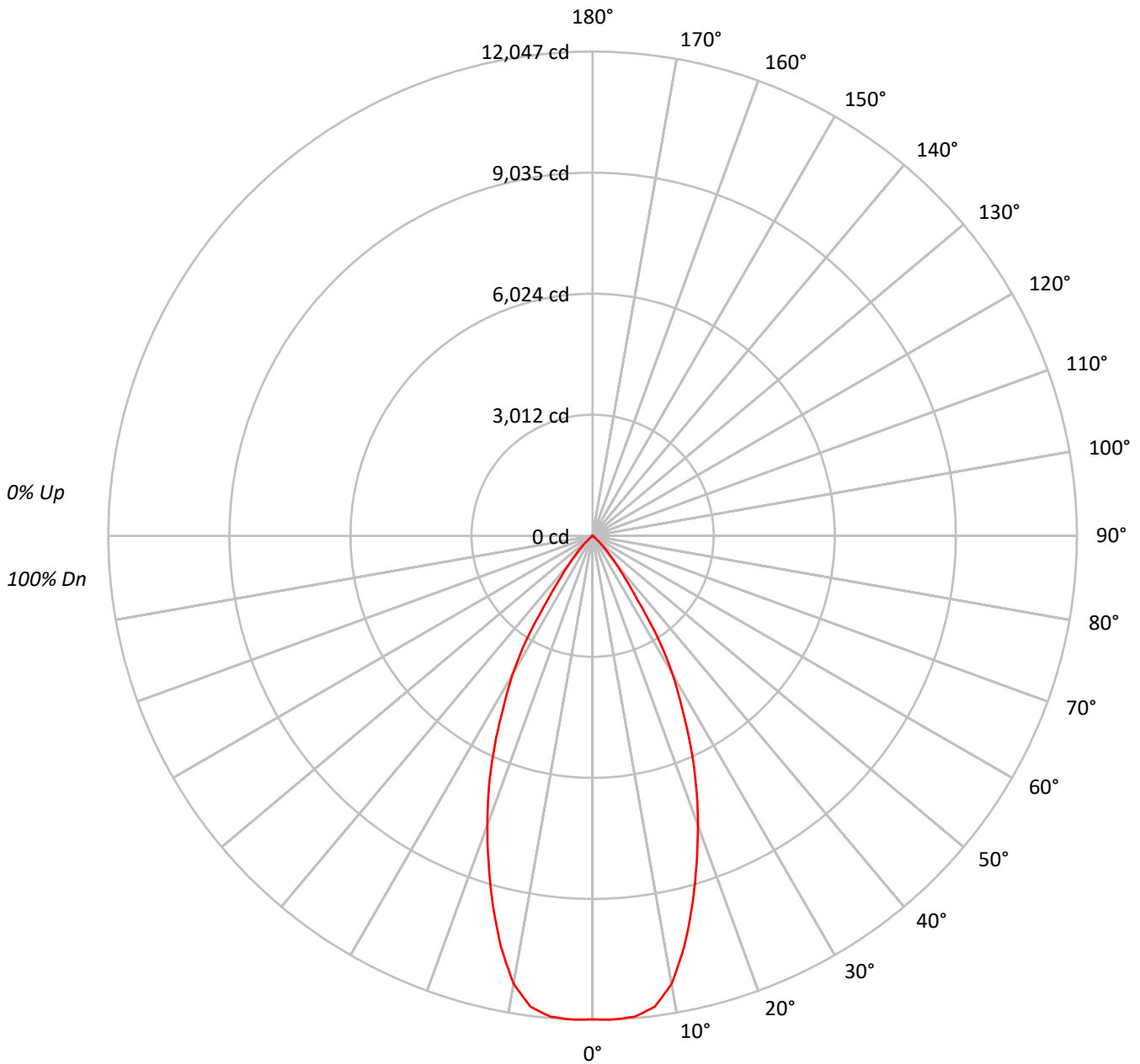
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8056.0 lumens  
Efficiency: N/A  
Efficacy: 70.4 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 114.4  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|---|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |    |    |   |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |     |    | 0  |   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |   |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 94  |    |    |   |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  | 96  | 94  | 92  | 94  | 92  | 90  | 89  |    |    |   |
| 3   | 104 | 98  | 93  | 90  | 102 | 97  | 92  | 89  | 94  | 90  | 87  | 92  | 89  | 86  | 89  | 87  | 85  | 83  |    |    |   |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  | 87  | 83  | 81  | 85  | 82  | 80  | 78  |    |    |   |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  | 83  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |   |
| 6   | 90  | 82  | 77  | 73  | 89  | 81  | 76  | 72  | 80  | 75  | 72  | 79  | 74  | 71  | 77  | 74  | 71  | 70  |    |    |   |
| 7   | 86  | 78  | 72  | 68  | 85  | 77  | 72  | 68  | 76  | 71  | 68  | 75  | 70  | 67  | 74  | 70  | 67  | 66  |    |    |   |
| 8   | 83  | 74  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 64  | 70  | 66  | 63  | 62  |    |    |   |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 59  |    |    |   |
| 10  | 76  | 67  | 61  | 58  | 75  | 66  | 61  | 58  | 65  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 57  | 56  |    |    |   |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 659629 |
| 5°  | 660900 |
| 10° | 629837 |
| 15° | 542324 |
| 20° | 446773 |
| 25° | 348952 |
| 30° | 252013 |
| 35° | 129061 |
| 40° | 62932  |
| 45° | 26150  |
| 50° | 4767   |
| 55° | 2772   |
| 60° | 1820   |
| 65° | 1336   |
| 70° | 994    |
| 75° | 868    |
| 80° | 663    |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1125.7 | 14.0      |
| 10°-20°   | 2648.5 | 32.9      |
| 20°-30°   | 2623.2 | 32.6      |
| 30°-40°   | 1329.7 | 16.5      |
| 40°-50°   | 286.5  | 3.6       |
| 50°-60°   | 27.3   | 0.3       |
| 60°-70°   | 10.5   | 0.1       |
| 70°-80°   | 3.8    | 0.0       |
| 80°-90°   | 0.9    | 0.0       |
| 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°    | 6397.3 | 79.4      |
| 0°-40°    | 7727.1 | 95.9      |
| 0°-60°    | 8040.9 | 99.8      |
| 0°-90°    | 8056.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 8056.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 12033 |      |
| 5°  | 12010 | ###  |
| 15° | 9556  | 2648 |
| 25° | 5769  | 2623 |
| 35° | 1928  | 1330 |
| 45° | 337   | 286  |
| 55° | 29    | 27   |
| 65° | 10    | 10   |
| 75° | 4     | 4    |
| 85° | 0     | 1    |
| 90° | 0     |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 12032.6 |
| 2.5°  | 12047.1 |
| 5°    | 12009.9 |
| 7.5°  | 11821.6 |
| 10°   | 11314.6 |
| 12.5° | 10499.3 |
| 15°   | 9555.7  |
| 17.5° | 8589.4  |
| 20°   | 7658.3  |
| 22.5° | 6727.1  |
| 25°   | 5769.0  |
| 27.5° | 4792.4  |
| 30°   | 3981.2  |
| 32.5° | 3066.6  |
| 35°   | 1928.5  |
| 37.5° | 1297.4  |
| 40°   | 879.4   |
| 42.5° | 569.0   |
| 45°   | 337.3   |
| 47.5° | 151.1   |
| 50°   | 55.9    |
| 52.5° | 37.2    |
| 55°   | 29.0    |
| 57.5° | 20.7    |
| 60°   | 16.6    |
| 62.5° | 12.4    |
| 65°   | 10.3    |
| 67.5° | 8.3     |
| 70°   | 6.2     |
| 72.5° | 4.1     |
| 75°   | 4.1     |
| 77.5° | 2.1     |
| 80°   | 2.1     |
| 82.5° | 2.1     |
| 85°   | 0.0     |
| 87.5° | 0.0     |
| 90°   | 0.0     |



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)