

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: P858008

Luminaire Tested: **LX4C40D010 EX4C409830 4LBMDLI**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P858008  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C40D010 EX4C409830 4LBMDLI  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

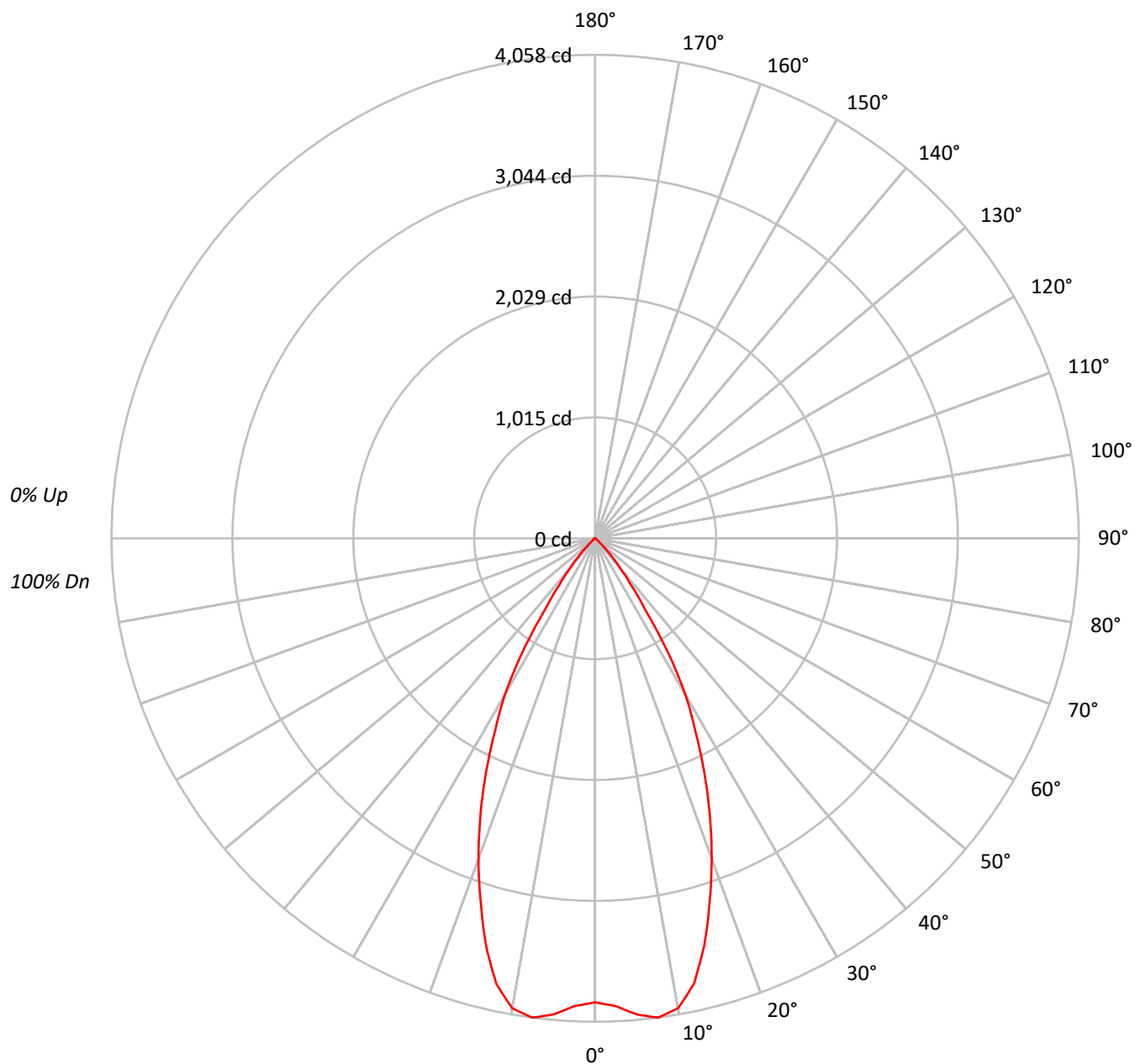
Lumens per Lamp: N/A  
Luminaire Lumens: 2965.0 lumens  
Efficiency: N/A  
Efficacy: 63.1 lumens/watt  
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.82  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 47  
Input Voltage (V):  
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: P858008

CATALOG NUMBER: LX4C40D010 EX4C409830 4LBMDLI

### Luminous Intensity Polar Plot





TEST NUMBER: P858008

CATALOG NUMBER: LX4C40D010 EX4C409830 4LBMDLI

**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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 |  | 101 | 100 | 99  |  | 98  |
| 2   | 109 | 104 | 100 | 97  | 107 | 102 | 99  | 96  | 99  | 96  | 94  |  | 96  | 94  | 92  |  | 94  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  |  | 91  | 88  | 86  |  | 89  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 85  | 81  |  | 87  | 83  | 80  |  | 85  |
| 5   | 94  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 79  | 76  |  | 82  | 78  | 75  |  | 81  |
| 6   | 90  | 82  | 76  | 72  | 89  | 81  | 76  | 72  | 80  | 75  | 71  |  | 78  | 74  | 71  |  | 77  |
| 7   | 86  | 77  | 72  | 68  | 85  | 77  | 71  | 68  | 75  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 8   | 82  | 73  | 68  | 64  | 81  | 73  | 67  | 64  | 72  | 67  | 63  |  | 71  | 66  | 63  |  | 70  |
| 9   | 79  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 63  | 60  |  | 67  | 63  | 60  |  | 66  |
| 10  | 75  | 66  | 61  | 57  | 74  | 66  | 61  | 57  | 65  | 60  | 57  |  | 64  | 60  | 57  |  | 63  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 478428 |
| 5°  | 494734 |
| 10° | 499756 |
| 15° | 450179 |
| 20° | 374120 |
| 25° | 293501 |
| 30° | 214803 |
| 35° | 110998 |
| 40° | 52715  |
| 45° | 18538  |
| 50° | 4186   |
| 55° | 2742   |
| 60° | 1917   |
| 65° | 1424   |
| 70° | 1042   |
| 75° | 665    |
| 80° | 495    |
| 85° | 0      |



TEST NUMBER: P858008

CATALOG NUMBER: LX4C40D010 EX4C409830 4LBMDLI

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 383.2  | 12.9      |
| 10°-20°   | 974.9  | 32.9      |
| 20°-30°   | 986.5  | 33.3      |
| 30°-40°   | 502.9  | 17.0      |
| 40°-50°   | 98.6   | 3.3       |
| 50°-60°   | 11.9   | 0.4       |
| 60°-70°   | 5.0    | 0.2       |
| 70°-80°   | 1.8    | 0.1       |
| 80°-90°   | 0.3    | 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°    | 2344.6 | 79.1      |
| 0°-40°    | 2847.5 | 96.0      |
| 0°-60°    | 2958.0 | 99.8      |
| 0°-90°    | 2965.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2965.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3894 |      |
| 5°  | 4012 | 383  |
| 15° | 3540 | 975  |
| 25° | 2165 | 986  |
| 35° | 740  | 503  |
| 45° | 107  | 99   |
| 55° | 13   | 12   |
| 65° | 5    | 5    |
| 75° | 1    | 2    |
| 85° | 0    | 0    |
| 90° | 0    |      |



TEST NUMBER: P858008

CATALOG NUMBER: LX4C40D010 EX4C409830 4LBMDLI

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 3894.3 |
| 2.5°  | 3930.4 |
| 5°    | 4011.7 |
| 7.5°  | 4058.4 |
| 10°   | 4006.1 |
| 12.5° | 3830.0 |
| 15°   | 3539.5 |
| 17.5° | 3196.6 |
| 20°   | 2861.6 |
| 22.5° | 2514.4 |
| 25°   | 2165.2 |
| 27.5° | 1817.5 |
| 30°   | 1514.2 |
| 32.5° | 1141.0 |
| 35°   | 740.1  |
| 37.5° | 495.5  |
| 40°   | 328.7  |
| 42.5° | 206.4  |
| 45°   | 106.7  |
| 47.5° | 38.2   |
| 50°   | 21.9   |
| 52.5° | 16.2   |
| 55°   | 12.8   |
| 57.5° | 9.9    |
| 60°   | 7.8    |
| 62.5° | 6.3    |
| 65°   | 4.9    |
| 67.5° | 3.6    |
| 70°   | 2.9    |
| 72.5° | 2.1    |
| 75°   | 1.4    |
| 77.5° | 1.4    |
| 80°   | 0.7    |
| 82.5° | 0.7    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)