

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: P858791

Luminaire Tested: **LX4C05D010 EU4059030 4LBHYLI**

Issue Date: 7/20/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P858791  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2301-896-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/20/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C05D010 EU4059030 4LBHYLI  
Description: 4 INCH 500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 4LBHYP TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

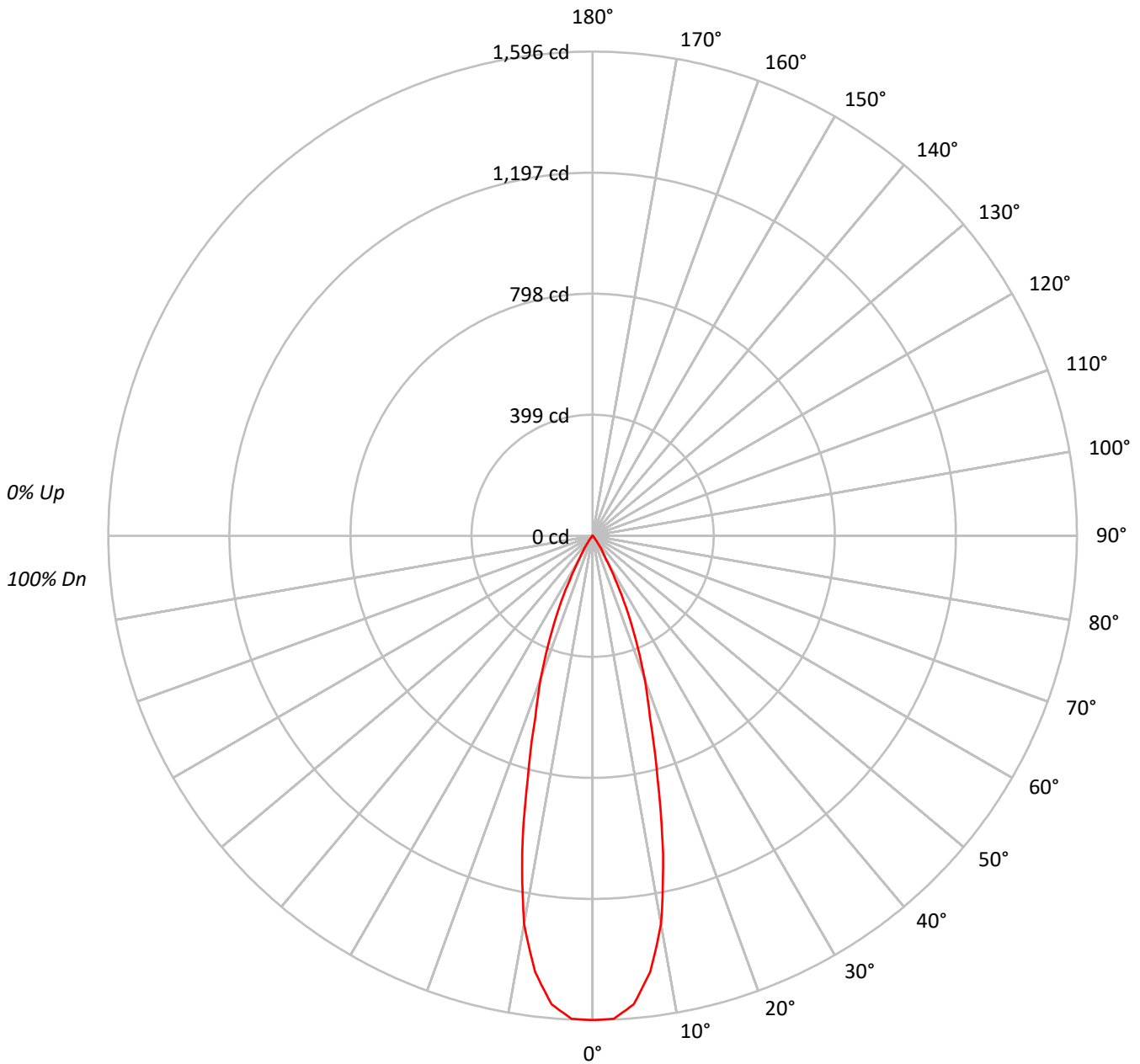
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 516.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 96  |    |    |   |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 97  | 95  | 94  | 92  |    |    |   |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 94  | 92  | 90  | 89  |    |    |   |
| 4   | 103 | 98  | 93  | 90  | 102 | 96  | 93  | 90  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 85  |    |    |   |
| 5   | 100 | 94  | 89  | 86  | 98  | 93  | 89  | 86  | 91  | 88  | 85  | 89  | 86  | 84  | 88  | 85  | 83  | 82  |    |    |   |
| 6   | 97  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  | 87  | 83  | 81  | 85  | 83  | 80  | 79  |    |    |   |
| 7   | 93  | 87  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 76  |    |    |   |
| 8   | 91  | 83  | 79  | 76  | 90  | 83  | 79  | 76  | 82  | 78  | 75  | 81  | 78  | 75  | 80  | 77  | 75  | 74  |    |    |   |
| 9   | 88  | 81  | 76  | 73  | 87  | 80  | 76  | 73  | 79  | 76  | 73  | 79  | 75  | 73  | 78  | 75  | 72  | 71  |    |    |   |
| 10  | 85  | 78  | 74  | 71  | 84  | 78  | 73  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 76  | 72  | 70  | 69  |    |    |   |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 196099 |
| 5°  | 191150 |
| 10° | 162061 |
| 15° | 105044 |
| 20° | 65238  |
| 25° | 35108  |
| 30° | 12072  |
| 35° | 4859   |
| 40° | 1299   |
| 45° | 573    |
| 50° | 229    |
| 55° | 107    |
| 60° | 49     |
| 65° | 58     |
| 70° | 0      |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 139.8  | 27.1      |
| 10°-20°   | 230.6  | 44.7      |
| 20°-30°   | 119.6  | 23.2      |
| 30°-40°   | 22.6   | 4.4       |
| 40°-50°   | 2.8    | 0.6       |
| 50°-60°   | 0.4    | 0.1       |
| 60°-70°   | 0.1    | 0.0       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 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°    | 490.0  | 95.0      |
| 0°-40°    | 512.6  | 99.3      |
| 0°-60°    | 515.9  | 100.0     |
| 0°-90°    | 516.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 516.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1596 |      |
| 5°  | 1550 | 140  |
| 15° | 826  | 231  |
| 25° | 259  | 120  |
| 35° | 32   | 23   |
| 45° | 3    | 3    |
| 55° | 0    | 0    |
| 65° | 0    | 0    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1596.2 |
| 2.5°  | 1593.6 |
| 5°    | 1550.0 |
| 7.5°  | 1449.9 |
| 10°   | 1299.1 |
| 12.5° | 1072.0 |
| 15°   | 825.9  |
| 17.5° | 627.2  |
| 20°   | 499.0  |
| 22.5° | 372.0  |
| 25°   | 259.0  |
| 27.5° | 159.2  |
| 30°   | 85.1   |
| 32.5° | 57.4   |
| 35°   | 32.4   |
| 37.5° | 14.1   |
| 40°   | 8.1    |
| 42.5° | 5.2    |
| 45°   | 3.3    |
| 47.5° | 1.9    |
| 50°   | 1.2    |
| 52.5° | 0.5    |
| 55°   | 0.5    |
| 57.5° | 0.2    |
| 60°   | 0.2    |
| 62.5° | 0.2    |
| 65°   | 0.2    |
| 67.5° | 0.0    |
| 70°   | 0.0    |
| 72.5° | 0.0    |
| 75°   | 0.0    |
| 77.5° | 0.0    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)