

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: P856839

Luminaire Tested: **LX4C10D010 EX4C109835 4LBNH**

Issue Date: 2/8/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P856839  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P207666)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C10D010 EX4C109835 4LBNH  
Description:  
Light Source: -  
Ballast/Driver: -

**Summary**

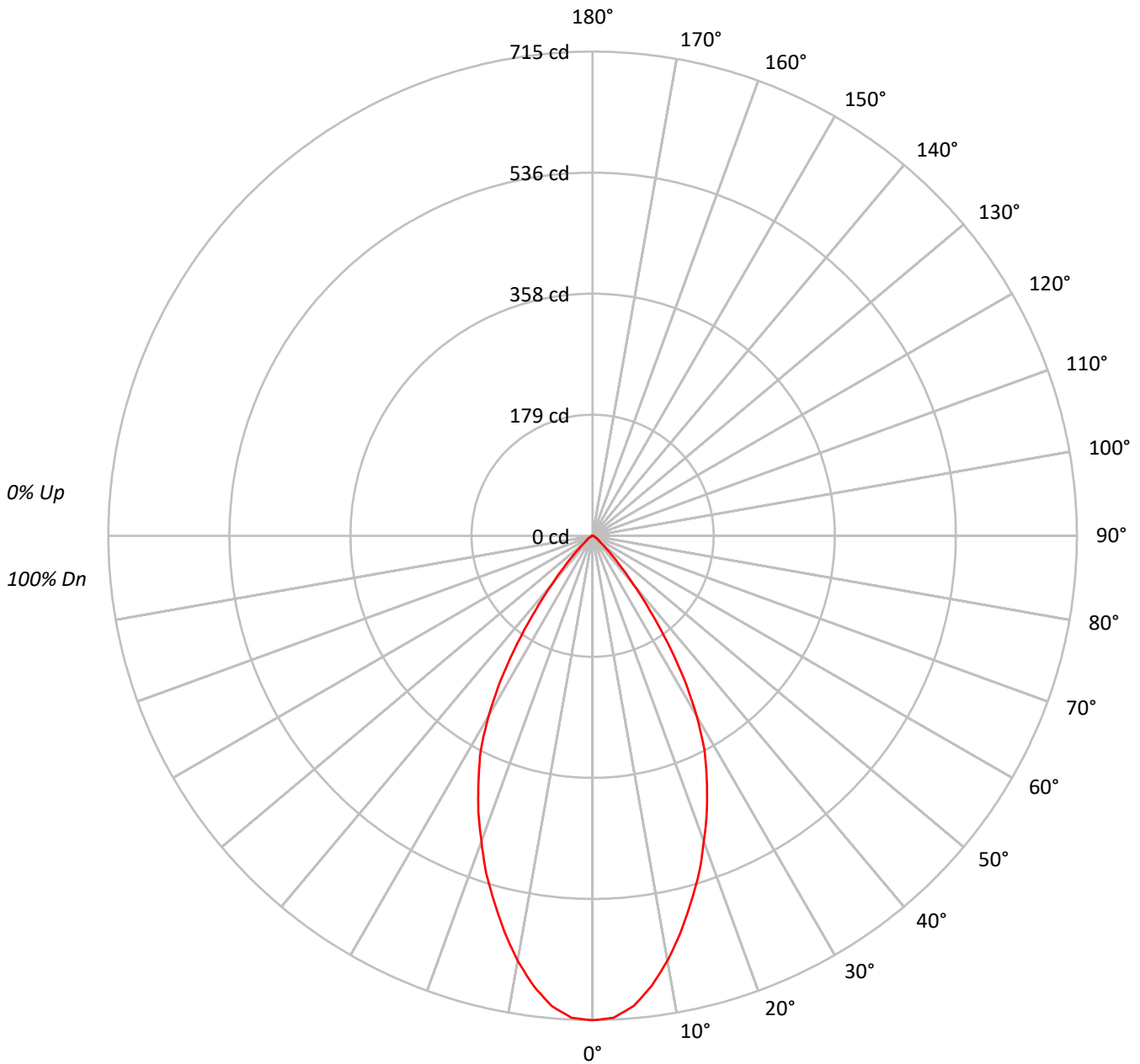
Lumens per Lamp: N/A  
Luminaire Lumens: 569.8 lumens  
Efficiency: N/A  
Efficacy: 58.1 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.85  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
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   | 113 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 93  |    |    |   |
| 2   | 108 | 103 | 99  | 96  | 106 | 101 | 98  | 94  | 98  | 95  | 92  | 95  | 93  | 90  | 92  | 90  | 89  | 87  |    |    |   |
| 3   | 102 | 96  | 91  | 87  | 100 | 95  | 90  | 86  | 92  | 88  | 85  | 90  | 86  | 84  | 87  | 85  | 82  | 81  |    |    |   |
| 4   | 97  | 90  | 84  | 80  | 95  | 89  | 83  | 79  | 86  | 82  | 78  | 84  | 81  | 78  | 83  | 79  | 77  | 75  |    |    |   |
| 5   | 92  | 84  | 78  | 74  | 91  | 83  | 78  | 73  | 81  | 76  | 73  | 80  | 75  | 72  | 78  | 74  | 72  | 70  |    |    |   |
| 6   | 88  | 79  | 73  | 69  | 86  | 78  | 72  | 68  | 76  | 72  | 68  | 75  | 71  | 67  | 74  | 70  | 67  | 65  |    |    |   |
| 7   | 83  | 74  | 68  | 64  | 82  | 73  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 63  | 61  |    |    |   |
| 8   | 79  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 63  | 59  | 67  | 63  | 59  | 66  | 62  | 59  | 58  |    |    |   |
| 9   | 76  | 66  | 60  | 56  | 74  | 65  | 60  | 56  | 65  | 59  | 56  | 64  | 59  | 56  | 63  | 59  | 55  | 54  |    |    |   |
| 10  | 72  | 62  | 57  | 53  | 71  | 62  | 56  | 53  | 61  | 56  | 53  | 60  | 56  | 52  | 60  | 55  | 52  | 51  |    |    |   |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 87889 |
| 5°  | 85931 |
| 10° | 79465 |
| 15° | 71288 |
| 20° | 62754 |
| 25° | 54005 |
| 30° | 43494 |
| 35° | 28960 |
| 40° | 15059 |
| 45° | 6811  |
| 50° | 2962  |
| 55° | 1992  |
| 60° | 1278  |
| 65° | 901   |
| 70° | 754   |
| 75° | 522   |
| 80° | 0     |
| 85° | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 64.5   | 11.3      |
| 10°-20°   | 156.6  | 27.5      |
| 20°-30°   | 181.8  | 31.9      |
| 30°-40°   | 120.4  | 21.1      |
| 40°-50°   | 33.7   | 5.9       |
| 50°-60°   | 8.5    | 1.5       |
| 60°-70°   | 3.2    | 0.6       |
| 70°-80°   | 1.1    | 0.2       |
| 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°    | 402.9  | 70.7      |
| 0°-40°    | 523.3  | 91.8      |
| 0°-60°    | 565.5  | 99.2      |
| 0°-90°    | 569.8  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 569.8  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 715 |      |
| 5°  | 697 | 65   |
| 15° | 560 | 157  |
| 25° | 398 | 182  |
| 35° | 193 | 120  |
| 45° | 39  | 34   |
| 55° | 9   | 8    |
| 65° | 3   | 3    |
| 75° | 1   | 1    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 715.4 |
| 2.5°  | 712.3 |
| 5°    | 696.8 |
| 7.5°  | 670.0 |
| 10°   | 637.0 |
| 12.5° | 599.8 |
| 15°   | 560.5 |
| 17.5° | 522.4 |
| 20°   | 480.0 |
| 22.5° | 440.8 |
| 25°   | 398.4 |
| 27.5° | 358.2 |
| 30°   | 306.6 |
| 32.5° | 251.9 |
| 35°   | 193.1 |
| 37.5° | 138.3 |
| 40°   | 93.9  |
| 42.5° | 60.9  |
| 45°   | 39.2  |
| 47.5° | 23.7  |
| 50°   | 15.5  |
| 52.5° | 11.3  |
| 55°   | 9.3   |
| 57.5° | 7.2   |
| 60°   | 5.2   |
| 62.5° | 4.1   |
| 65°   | 3.1   |
| 67.5° | 2.1   |
| 70°   | 2.1   |
| 72.5° | 1.1   |
| 75°   | 1.1   |
| 77.5° | 1.1   |
| 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)