

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: P857248

Luminaire Tested: **LX4C20D010 EX4C209830 4LBSLI**

Issue Date: 2/9/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857248  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P208407)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/9/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C20D010 EX4C209830 4LBSLI  
Description:  
Light Source: -  
Ballast/Driver: -

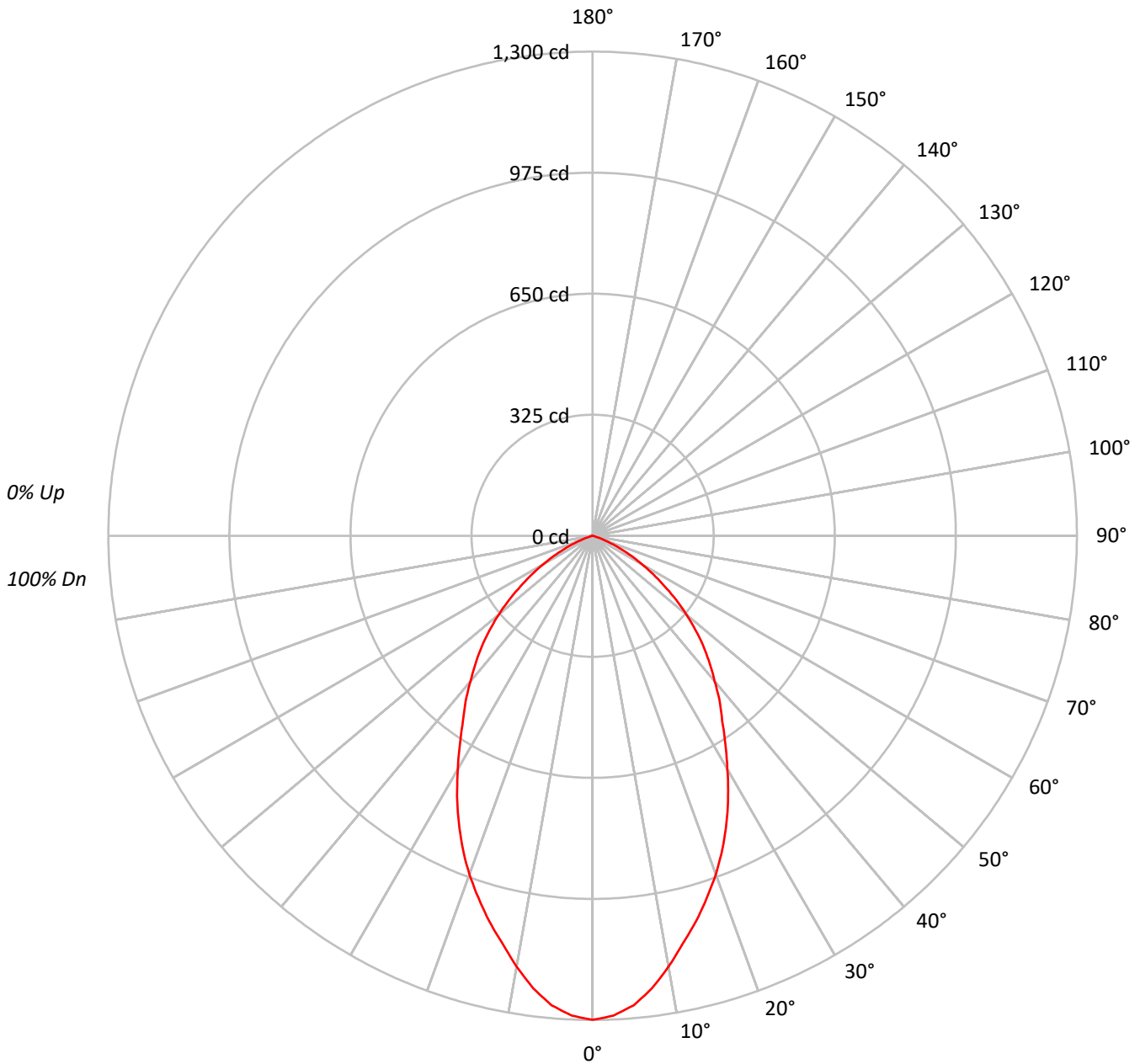
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1820.0 lumens  
Efficiency: N/A  
Efficacy: 83.5 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 21.8  
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

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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 |     |     |     |     |     |     |     |     | 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  | 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 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |    |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 1  | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98  | 98  | 96  | 95  | 95  | 93  | 92  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  | 90  |    |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 2  | 104 | 98  | 93  | 88  | 102 | 96  | 91  | 87  | 93  | 89  | 85  | 90  | 86  | 84  | 87  | 84  | 82  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80  | 80 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 3  | 97  | 89  | 82  | 77  | 95  | 87  | 81  | 77  | 84  | 79  | 75  | 82  | 78  | 74  | 79  | 76  | 73  | 71  | 71  | 71  | 71  | 71  | 71  | 71  | 71  | 71  | 71  | 71  | 71 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 4  | 90  | 81  | 73  | 68  | 88  | 79  | 73  | 68  | 77  | 71  | 67  | 75  | 70  | 66  | 73  | 69  | 65  | 63  | 63  | 63  | 63  | 63  | 63  | 63  | 63  | 63  | 63  | 63  | 63 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 5  | 84  | 73  | 66  | 61  | 82  | 72  | 65  | 60  | 70  | 64  | 60  | 69  | 63  | 59  | 67  | 62  | 59  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57  | 57 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 6  | 79  | 67  | 60  | 54  | 77  | 66  | 59  | 54  | 65  | 58  | 54  | 63  | 58  | 53  | 62  | 57  | 53  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51  | 51 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 7  | 74  | 62  | 54  | 49  | 72  | 61  | 54  | 49  | 60  | 53  | 49  | 58  | 53  | 48  | 57  | 52  | 48  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46  | 46 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 8  | 69  | 57  | 50  | 45  | 68  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 44  | 53  | 48  | 44  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42  | 42 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 9  | 65  | 53  | 46  | 41  | 64  | 53  | 46  | 41  | 52  | 45  | 41  | 51  | 45  | 41  | 50  | 44  | 41  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39  | 39 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 10 | 61  | 50  | 43  | 38  | 60  | 49  | 42  | 38  | 48  | 42  | 38  | 47  | 42  | 38  | 46  | 41  | 37  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36  | 36 |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 159648 |
| 5°  | 156040 |
| 10° | 146530 |
| 15° | 136332 |
| 20° | 126437 |
| 25° | 115261 |
| 30° | 102621 |
| 35° | 90961  |
| 40° | 81743  |
| 45° | 73162  |
| 50° | 62766  |
| 55° | 50506  |
| 60° | 37618  |
| 65° | 24041  |
| 70° | 11566  |
| 75° | 1899   |
| 80° | 1415   |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 117.8  | 6.5       |
| 10°-20°   | 300.5  | 16.5      |
| 20°-30°   | 389.4  | 21.4      |
| 30°-40°   | 381.6  | 21.0      |
| 40°-50°   | 323.4  | 17.8      |
| 50°-60°   | 212.0  | 11.6      |
| 60°-70°   | 85.2   | 4.7       |
| 70°-80°   | 9.7    | 0.5       |
| 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°    | 807.8  | 44.4      |
| 0°-40°    | 1189.4 | 65.3      |
| 0°-60°    | 1724.8 | 94.8      |
| 0°-90°    | 1820.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1820.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1300 |      |
| 5°  | 1265 | 118  |
| 15° | 1072 | 301  |
| 25° | 850  | 389  |
| 35° | 606  | 382  |
| 45° | 421  | 323  |
| 55° | 236  | 212  |
| 65° | 83   | 85   |
| 75° | 4    | 10   |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1299.5 |
| 2.5°  | 1289.5 |
| 5°    | 1265.3 |
| 7.5°  | 1225.0 |
| 10°   | 1174.6 |
| 12.5° | 1120.2 |
| 15°   | 1071.9 |
| 17.5° | 1019.5 |
| 20°   | 967.1  |
| 22.5° | 910.7  |
| 25°   | 850.3  |
| 27.5° | 787.8  |
| 30°   | 723.4  |
| 32.5° | 662.9  |
| 35°   | 606.5  |
| 37.5° | 560.1  |
| 40°   | 509.7  |
| 42.5° | 465.4  |
| 45°   | 421.1  |
| 47.5° | 374.8  |
| 50°   | 328.4  |
| 52.5° | 282.1  |
| 55°   | 235.8  |
| 57.5° | 193.4  |
| 60°   | 153.1  |
| 62.5° | 116.8  |
| 65°   | 82.7   |
| 67.5° | 54.4   |
| 70°   | 32.2   |
| 72.5° | 14.1   |
| 75°   | 4.0    |
| 77.5° | 2.0    |
| 80°   | 2.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |



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— 0°-180°







(END OF REPORT)