

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: P844256

Luminaire Tested: **LD6C25DE010B50 EU6C25B50 6LBMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203577)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C25DE010B50 EU6C25B50 6LBMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

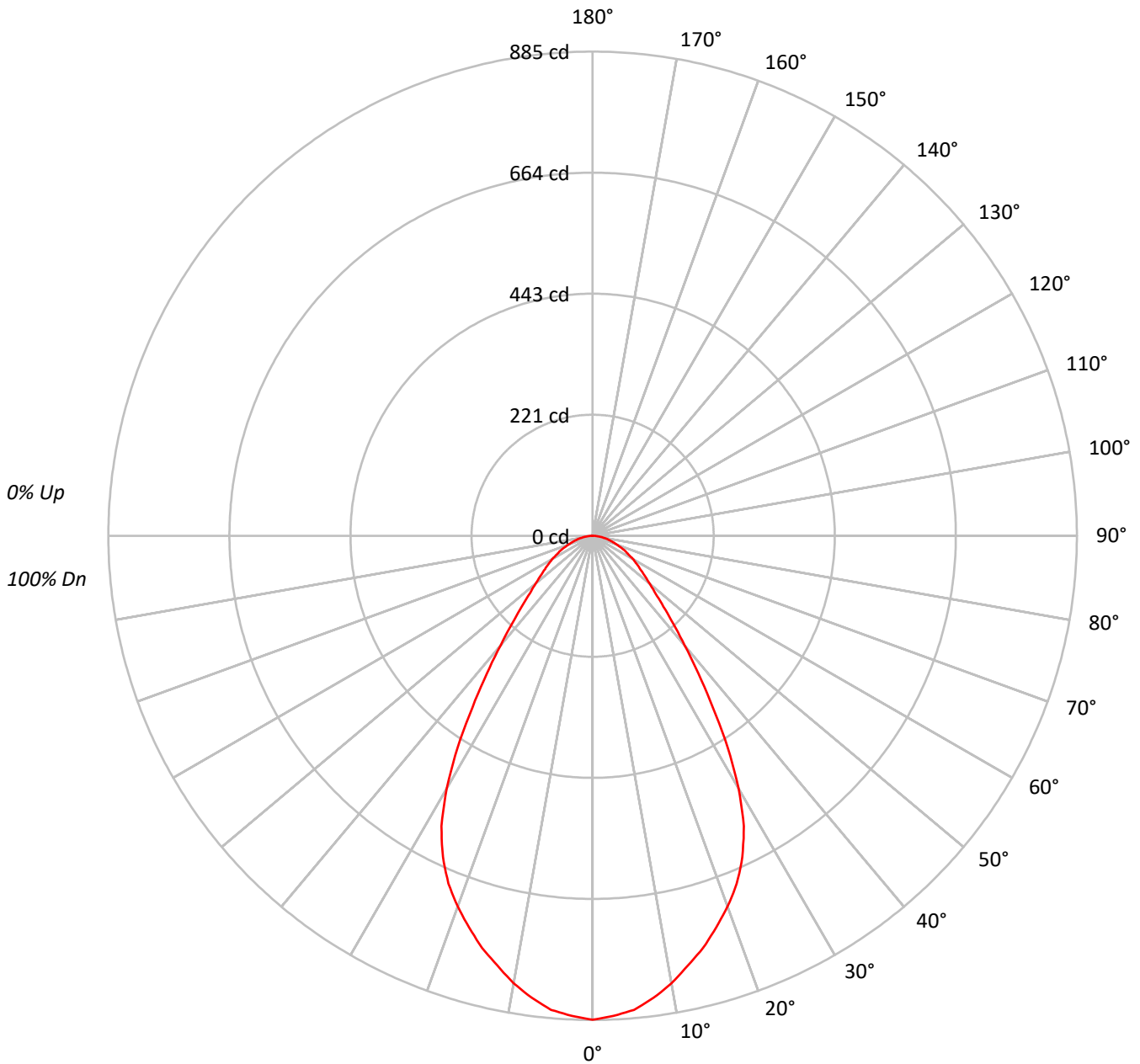
Lumens per Lamp: N/A  
Luminaire Lumens: 1185.6 lumens  
Efficiency: N/A  
Efficacy: 39.8 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 29.8  
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  |     |     |     | 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   | 111 | 108 | 104 | 101 | 109 | 105 | 103 | 100 | 101 | 99  | 97  | 98  | 96  | 94  | 94  | 92  | 91  | 89  |    |    |   |
| 2   | 104 | 97  | 92  | 88  | 101 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 86  | 83  | 86  | 83  | 81  | 79  |    |    |   |
| 3   | 97  | 88  | 82  | 77  | 95  | 87  | 81  | 76  | 84  | 79  | 75  | 82  | 77  | 74  | 79  | 76  | 73  | 71  |    |    |   |
| 4   | 90  | 81  | 74  | 68  | 88  | 80  | 73  | 68  | 77  | 72  | 67  | 75  | 70  | 66  | 73  | 69  | 65  | 64  |    |    |   |
| 5   | 85  | 74  | 67  | 61  | 83  | 73  | 66  | 61  | 71  | 65  | 61  | 69  | 64  | 60  | 68  | 63  | 59  | 58  |    |    |   |
| 6   | 79  | 68  | 61  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 53  |    |    |   |
| 7   | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 48  |    |    |   |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 44  |    |    |   |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 43  | 41  |    |    |   |
| 10  | 63  | 51  | 45  | 40  | 62  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 48  | 43  | 40  | 38  |    |    |   |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 48494 |
| 5°  | 47870 |
| 10° | 46242 |
| 15° | 44268 |
| 20° | 42068 |
| 25° | 39172 |
| 30° | 33739 |
| 35° | 25611 |
| 40° | 18728 |
| 45° | 14203 |
| 50° | 11573 |
| 55° | 10160 |
| 60° | 9319  |
| 65° | 8496  |
| 70° | 7597  |
| 75° | 6926  |
| 80° | 6219  |
| 85° | 5095  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 81.7   | 6.9       |
| 10°-20°   | 218.9  | 18.5      |
| 20°-30°   | 293.9  | 24.8      |
| 30°-40°   | 241.1  | 20.3      |
| 40°-50°   | 144.8  | 12.2      |
| 50°-60°   | 96.2   | 8.1       |
| 60°-70°   | 64.5   | 5.4       |
| 70°-80°   | 34.7   | 2.9       |
| 80°-90°   | 9.8    | 0.8       |
| 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°    | 594.5  | 50.1      |
| 0°-40°    | 835.6  | 70.5      |
| 0°-60°    | 1076.6 | 90.8      |
| 0°-90°    | 1185.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1185.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 885 |      |
| 5°  | 870 | 82   |
| 15° | 780 | 219  |
| 25° | 648 | 294  |
| 35° | 383 | 241  |
| 45° | 183 | 145  |
| 55° | 106 | 96   |
| 65° | 66  | 65   |
| 75° | 33  | 35   |
| 85° | 8   | 10   |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 884.6 |
| 2.5°  | 878.2 |
| 5°    | 869.9 |
| 7.5°  | 851.9 |
| 10°   | 830.7 |
| 12.5° | 804.5 |
| 15°   | 780.0 |
| 17.5° | 750.6 |
| 20°   | 721.1 |
| 22.5° | 688.4 |
| 25°   | 647.6 |
| 27.5° | 598.5 |
| 30°   | 533.0 |
| 32.5° | 459.4 |
| 35°   | 382.7 |
| 37.5° | 317.2 |
| 40°   | 261.7 |
| 42.5° | 217.4 |
| 45°   | 183.2 |
| 47.5° | 155.4 |
| 50°   | 135.7 |
| 52.5° | 119.4 |
| 55°   | 106.3 |
| 57.5° | 94.9  |
| 60°   | 85.0  |
| 62.5° | 73.6  |
| 65°   | 65.5  |
| 67.5° | 55.6  |
| 70°   | 47.4  |
| 72.5° | 39.2  |
| 75°   | 32.7  |
| 77.5° | 26.1  |
| 80°   | 19.7  |
| 82.5° | 14.7  |
| 85°   | 8.1   |
| 87.5° | 3.3   |
| 90°   | 0.0   |



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— 0°-180°







(END OF REPORT)