

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: P843848

Luminaire Tested: **LD6C08DE010B2750 EU6C08B27 6LBMB**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P843848  
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: LD6C08DE010B2750 EU6C08B27 6LBMB  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

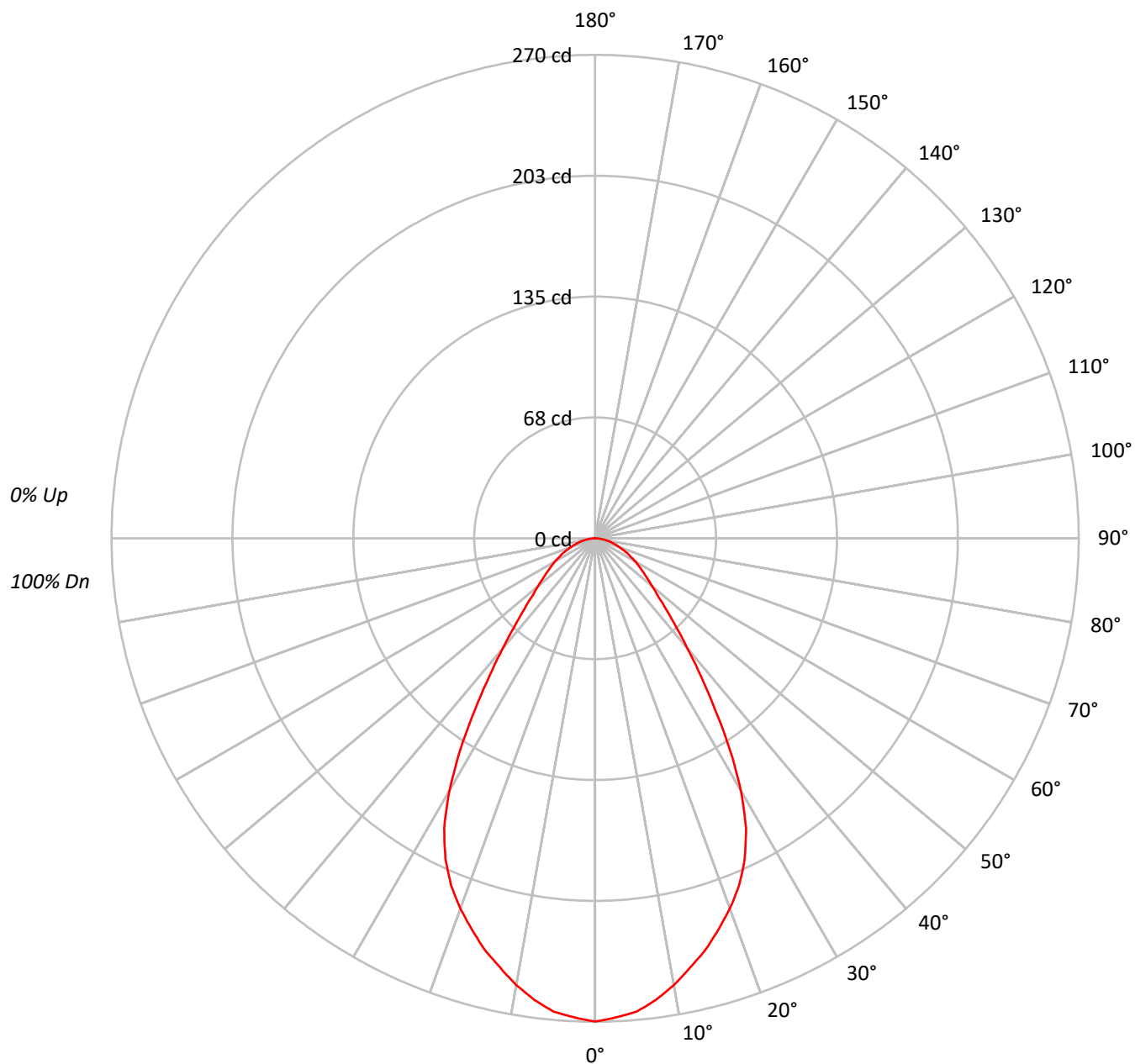
Lumens per Lamp: N/A  
Luminaire Lumens: 361.7 lumens  
Efficiency: N/A  
Efficacy: 37.7 lumens/watt  
Spacing Criteria (0/90/45): 1 / 1 / 0.97  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.6  
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  | 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°  | 14796 |
| 5°  | 14605 |
| 10° | 14106 |
| 15° | 13507 |
| 20° | 12834 |
| 25° | 11952 |
| 30° | 10299 |
| 35° | 7817  |
| 40° | 5718  |
| 45° | 4326  |
| 50° | 3539  |
| 55° | 3106  |
| 60° | 2840  |
| 65° | 2594  |
| 70° | 2324  |
| 75° | 2097  |
| 80° | 1894  |
| 85° | 1572  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 24.9   | 6.9       |
| 10°-20°   | 66.8   | 18.5      |
| 20°-30°   | 89.7   | 24.8      |
| 30°-40°   | 73.6   | 20.3      |
| 40°-50°   | 44.2   | 12.2      |
| 50°-60°   | 29.4   | 8.1       |
| 60°-70°   | 19.7   | 5.4       |
| 70°-80°   | 10.6   | 2.9       |
| 80°-90°   | 3.0    | 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°    | 181.4  | 50.2      |
| 0°-40°    | 255.0  | 70.5      |
| 0°-60°    | 328.5  | 90.8      |
| 0°-90°    | 361.7  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 361.7  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 270 |      |
| 5°  | 265 | 25   |
| 15° | 238 | 67   |
| 25° | 198 | 90   |
| 35° | 117 | 74   |
| 45° | 56  | 44   |
| 55° | 32  | 29   |
| 65° | 20  | 20   |
| 75° | 10  | 11   |
| 85° | 2   | 3    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 269.9 |
| 2.5°  | 267.9 |
| 5°    | 265.4 |
| 7.5°  | 260.0 |
| 10°   | 253.4 |
| 12.5° | 245.5 |
| 15°   | 238.0 |
| 17.5° | 229.0 |
| 20°   | 220.0 |
| 22.5° | 210.0 |
| 25°   | 197.6 |
| 27.5° | 182.5 |
| 30°   | 162.7 |
| 32.5° | 140.1 |
| 35°   | 116.8 |
| 37.5° | 96.8  |
| 40°   | 79.9  |
| 42.5° | 66.3  |
| 45°   | 55.8  |
| 47.5° | 47.4  |
| 50°   | 41.5  |
| 52.5° | 36.4  |
| 55°   | 32.5  |
| 57.5° | 29.0  |
| 60°   | 25.9  |
| 62.5° | 22.4  |
| 65°   | 20.0  |
| 67.5° | 16.9  |
| 70°   | 14.5  |
| 72.5° | 12.0  |
| 75°   | 9.9   |
| 77.5° | 7.9   |
| 80°   | 6.0   |
| 82.5° | 4.4   |
| 85°   | 2.5   |
| 87.5° | 1.0   |
| 90°   | 0.0   |



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)