

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: P843858

Luminaire Tested: **LD6C08DE010B2750 EU6C08B27 6LBWLI**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P843858  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C08DE010B2750 EU6C08B27 6LBWLI  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

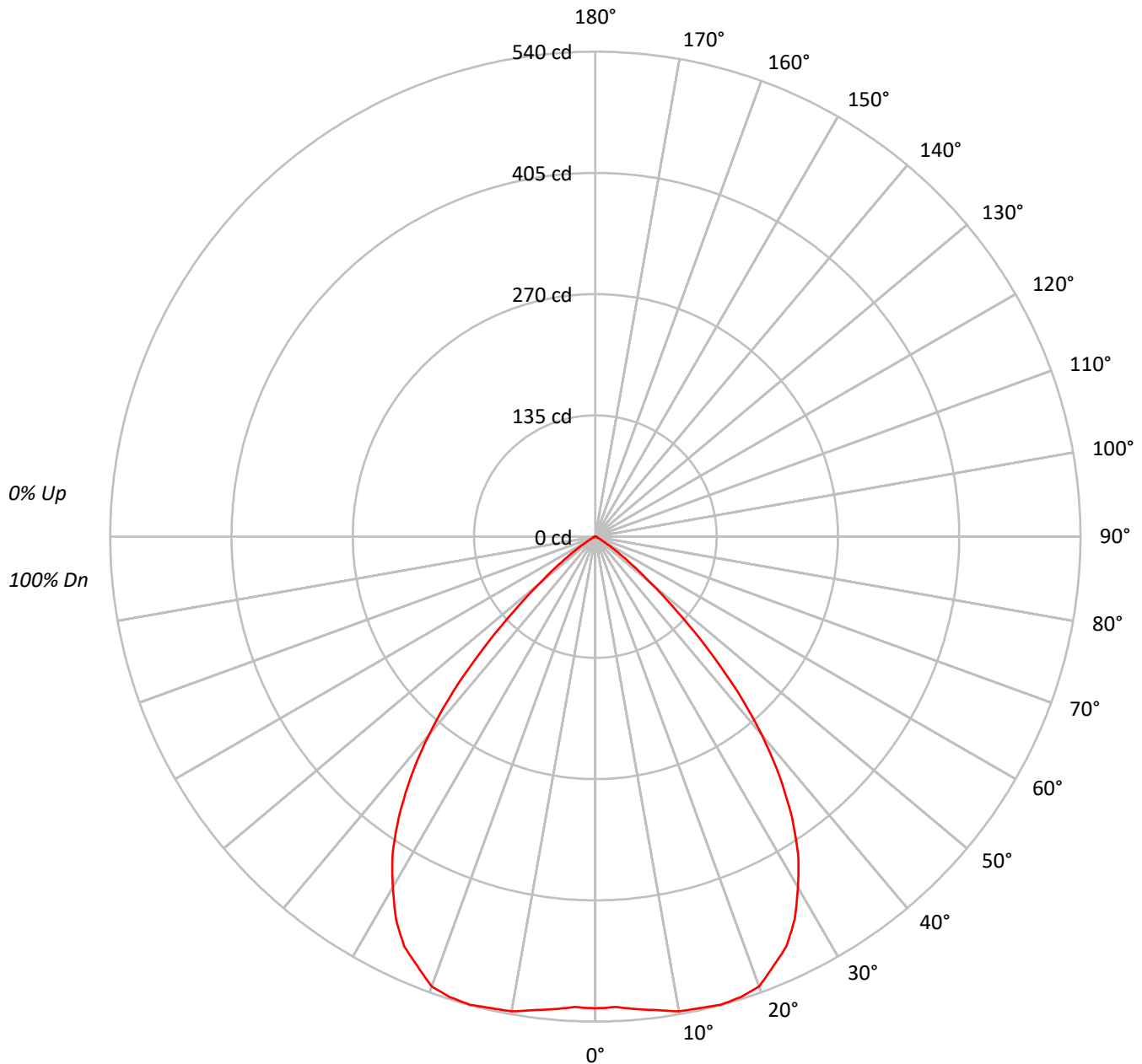
Lumens per Lamp: N/A  
Luminaire Lumens: 840.9 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 99  |  | 100 | 98  | 97  |  | 96  |
| 2   | 106 | 101 | 96  | 92  | 104 | 99  | 95  | 91  | 95  | 92  | 89  |  | 92  | 90  | 87  |  | 90  |
| 3   | 100 | 92  | 87  | 82  | 97  | 91  | 86  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 83  |
| 4   | 93  | 85  | 78  | 73  | 92  | 84  | 78  | 73  | 81  | 76  | 72  |  | 79  | 75  | 71  |  | 77  |
| 5   | 88  | 78  | 71  | 66  | 86  | 77  | 71  | 66  | 75  | 70  | 65  |  | 73  | 69  | 65  |  | 72  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 70  | 64  | 59  |  | 68  | 63  | 59  |  | 67  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  |  | 63  | 58  | 54  |  | 62  |
| 8   | 73  | 62  | 55  | 50  | 71  | 61  | 55  | 50  | 60  | 54  | 50  |  | 59  | 54  | 50  |  | 58  |
| 9   | 69  | 57  | 51  | 46  | 67  | 57  | 50  | 46  | 56  | 50  | 46  |  | 55  | 50  | 46  |  | 54  |
| 10  | 65  | 54  | 47  | 43  | 64  | 53  | 47  | 42  | 52  | 46  | 42  |  | 51  | 46  | 42  |  | 51  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 28797 |
| 5°  | 29061 |
| 10° | 29876 |
| 15° | 30624 |
| 20° | 31089 |
| 25° | 30443 |
| 30° | 28549 |
| 35° | 25524 |
| 40° | 20667 |
| 45° | 13676 |
| 50° | 6908  |
| 55° | 2915  |
| 60° | 943   |
| 65° | 376   |
| 70° | 305   |
| 75° | 212   |
| 80° | 0     |
| 85° | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 50.7   | 6.0       |
| 10°-20°   | 152.3  | 18.1      |
| 20°-30°   | 229.6  | 27.3      |
| 30°-40°   | 235.0  | 27.9      |
| 40°-50°   | 136.9  | 16.3      |
| 50°-60°   | 31.5   | 3.7       |
| 60°-70°   | 3.9    | 0.5       |
| 70°-80°   | 1.0    | 0.1       |
| 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°    | 432.6  | 51.4      |
| 0°-40°    | 667.6  | 79.4      |
| 0°-60°    | 836.0  | 99.4      |
| 0°-90°    | 840.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 840.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 525 |      |
| 5°  | 528 | 51   |
| 15° | 540 | 152  |
| 25° | 503 | 230  |
| 35° | 381 | 235  |
| 45° | 176 | 137  |
| 55° | 30  | 31   |
| 65° | 3   | 4    |
| 75° | 1   | 1    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |       |
|-------|-------|
| 0°    | 525.3 |
| 2.5°  | 524.3 |
| 5°    | 528.1 |
| 7.5°  | 531.9 |
| 10°   | 536.7 |
| 12.5° | 537.7 |
| 15°   | 539.6 |
| 17.5° | 537.7 |
| 20°   | 532.9 |
| 22.5° | 517.6 |
| 25°   | 503.3 |
| 27.5° | 480.5 |
| 30°   | 451.0 |
| 32.5° | 420.4 |
| 35°   | 381.4 |
| 37.5° | 337.5 |
| 40°   | 288.8 |
| 42.5° | 234.5 |
| 45°   | 176.4 |
| 47.5° | 123.0 |
| 50°   | 81.0  |
| 52.5° | 51.5  |
| 55°   | 30.5  |
| 57.5° | 16.2  |
| 60°   | 8.6   |
| 62.5° | 4.8   |
| 65°   | 2.9   |
| 67.5° | 2.9   |
| 70°   | 1.9   |
| 72.5° | 1.0   |
| 75°   | 1.0   |
| 77.5° | 1.0   |
| 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)