

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: P844320

Luminaire Tested: **LD6C30DE010B40 EU6C30B40 6LBCSMW**

Issue Date: 5/7/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P844320  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P204757)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/7/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C30DE010B40 EU6C30B40 6LBCSMW  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

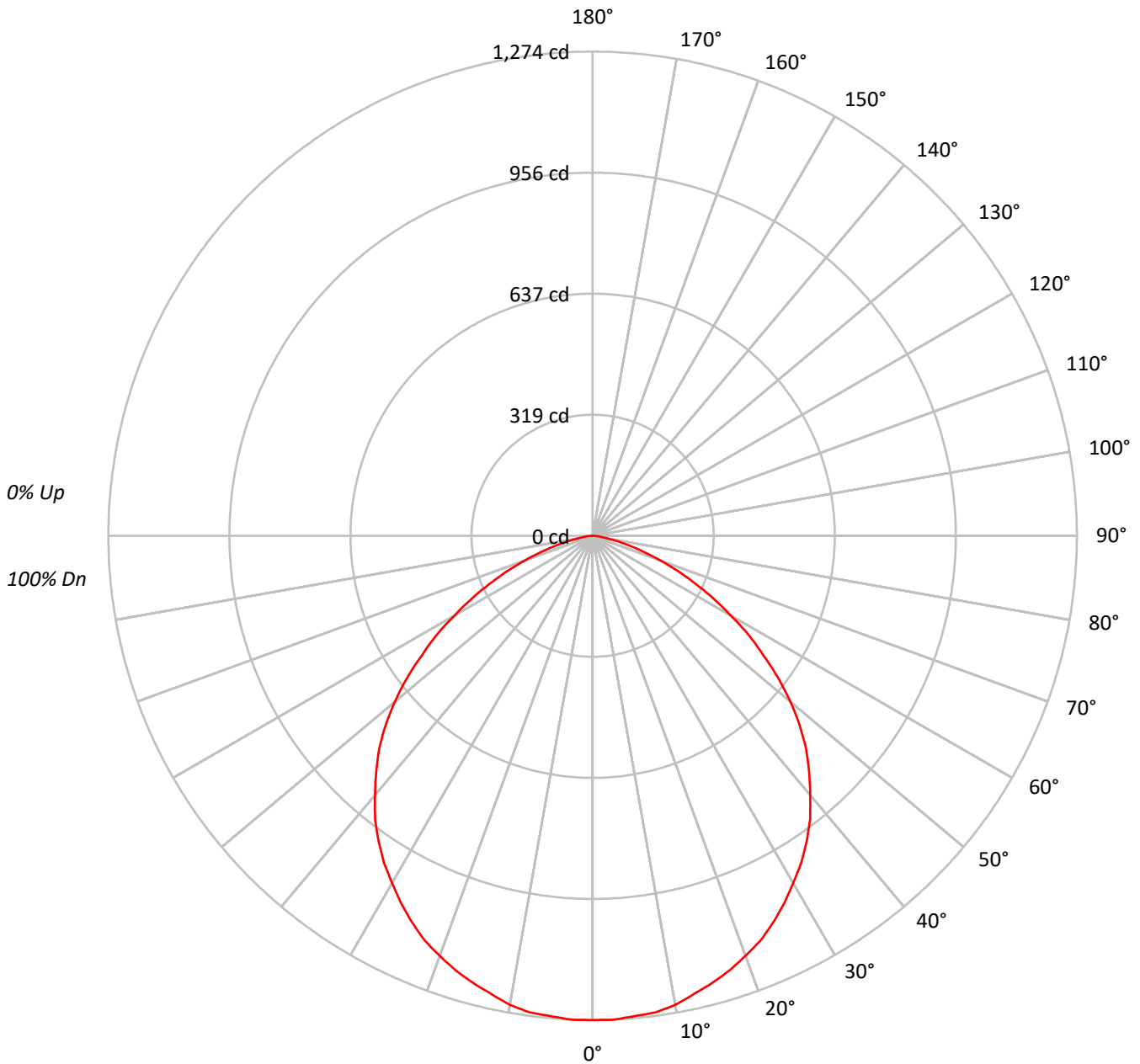
Lumens per Lamp: N/A  
Luminaire Lumens: 3120.1 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.33  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 34.1  
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 |    |    | 100 |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  |    |    | 87  |
| 2   | 101 | 94  | 87  | 82  | 99  | 92  | 86  | 81  | 88  | 84  | 79  | 85  | 81  | 78  | 82  | 79  | 76  | 74  |    |    | 74  |
| 3   | 93  | 83  | 75  | 70  | 90  | 81  | 74  | 69  | 79  | 73  | 68  | 76  | 71  | 67  | 73  | 69  | 65  | 63  |    |    | 63  |
| 4   | 85  | 74  | 66  | 60  | 83  | 73  | 65  | 59  | 70  | 64  | 58  | 68  | 62  | 58  | 66  | 61  | 57  | 55  |    |    | 55  |
| 5   | 79  | 66  | 58  | 52  | 77  | 65  | 57  | 51  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 48  |    |    | 48  |
| 6   | 73  | 60  | 52  | 45  | 71  | 59  | 51  | 45  | 57  | 50  | 45  | 56  | 49  | 44  | 54  | 49  | 44  | 42  |    |    | 42  |
| 7   | 68  | 55  | 46  | 40  | 66  | 54  | 46  | 40  | 52  | 45  | 40  | 51  | 44  | 40  | 50  | 44  | 39  | 37  |    |    | 37  |
| 8   | 63  | 50  | 42  | 36  | 61  | 49  | 41  | 36  | 48  | 41  | 36  | 47  | 40  | 36  | 46  | 40  | 35  | 33  |    |    | 33  |
| 9   | 59  | 46  | 38  | 33  | 57  | 45  | 38  | 32  | 44  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 30  |    |    | 30  |
| 10  | 55  | 42  | 35  | 30  | 54  | 42  | 34  | 30  | 41  | 34  | 29  | 40  | 34  | 29  | 39  | 33  | 29  | 27  |    |    | 27  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 69863 |
| 5°  | 69811 |
| 10° | 69777 |
| 15° | 69115 |
| 20° | 68612 |
| 25° | 67927 |
| 30° | 66776 |
| 35° | 65678 |
| 40° | 63734 |
| 45° | 61580 |
| 50° | 57900 |
| 55° | 52414 |
| 60° | 46005 |
| 65° | 38746 |
| 70° | 30310 |
| 75° | 21244 |
| 80° | 11933 |
| 85° | 8240  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 120.7  | 3.9       |
| 10°-20°   | 343.7  | 11.0      |
| 20°-30°   | 517.1  | 16.6      |
| 30°-40°   | 612.8  | 19.6      |
| 40°-50°   | 609.9  | 19.5      |
| 50°-60°   | 491.6  | 15.8      |
| 60°-70°   | 297.4  | 9.5       |
| 70°-80°   | 110.5  | 3.5       |
| 80°-90°   | 16.4   | 0.5       |
| 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°    | 981.5  | 31.5      |
| 0°-40°    | 1594.4 | 51.1      |
| 0°-60°    | 2695.8 | 86.4      |
| 0°-90°    | 3120.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3120.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1274 |      |
| 5°  | 1269 | 121  |
| 15° | 1218 | 344  |
| 25° | 1123 | 517  |
| 35° | 981  | 613  |
| 45° | 794  | 610  |
| 55° | 548  | 492  |
| 65° | 299  | 297  |
| 75° | 100  | 110  |
| 85° | 13   | 16   |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1274.4 |
| 2.5°  | 1274.4 |
| 5°    | 1268.6 |
| 7.5°  | 1264.9 |
| 10°   | 1253.5 |
| 12.5° | 1234.5 |
| 15°   | 1217.8 |
| 17.5° | 1198.7 |
| 20°   | 1176.1 |
| 22.5° | 1153.2 |
| 25°   | 1123.0 |
| 27.5° | 1090.9 |
| 30°   | 1054.9 |
| 32.5° | 1021.0 |
| 35°   | 981.4  |
| 37.5° | 939.8  |
| 40°   | 890.6  |
| 42.5° | 843.1  |
| 45°   | 794.3  |
| 47.5° | 739.2  |
| 50°   | 678.9  |
| 52.5° | 616.3  |
| 55°   | 548.4  |
| 57.5° | 487.8  |
| 60°   | 419.6  |
| 62.5° | 359.3  |
| 65°   | 298.7  |
| 67.5° | 241.9  |
| 70°   | 189.1  |
| 72.5° | 141.9  |
| 75°   | 100.3  |
| 77.5° | 64.3   |
| 80°   | 37.8   |
| 82.5° | 22.6   |
| 85°   | 13.1   |
| 87.5° | 5.6    |
| 90°   | 0.0    |



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)