

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: P844428

Luminaire Tested: **LD6C35DE010B50 EU6C35B50 6LBMH**

Issue Date: 2/17/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P844428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C35DE010B50 EU6C35B50 6LBMH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

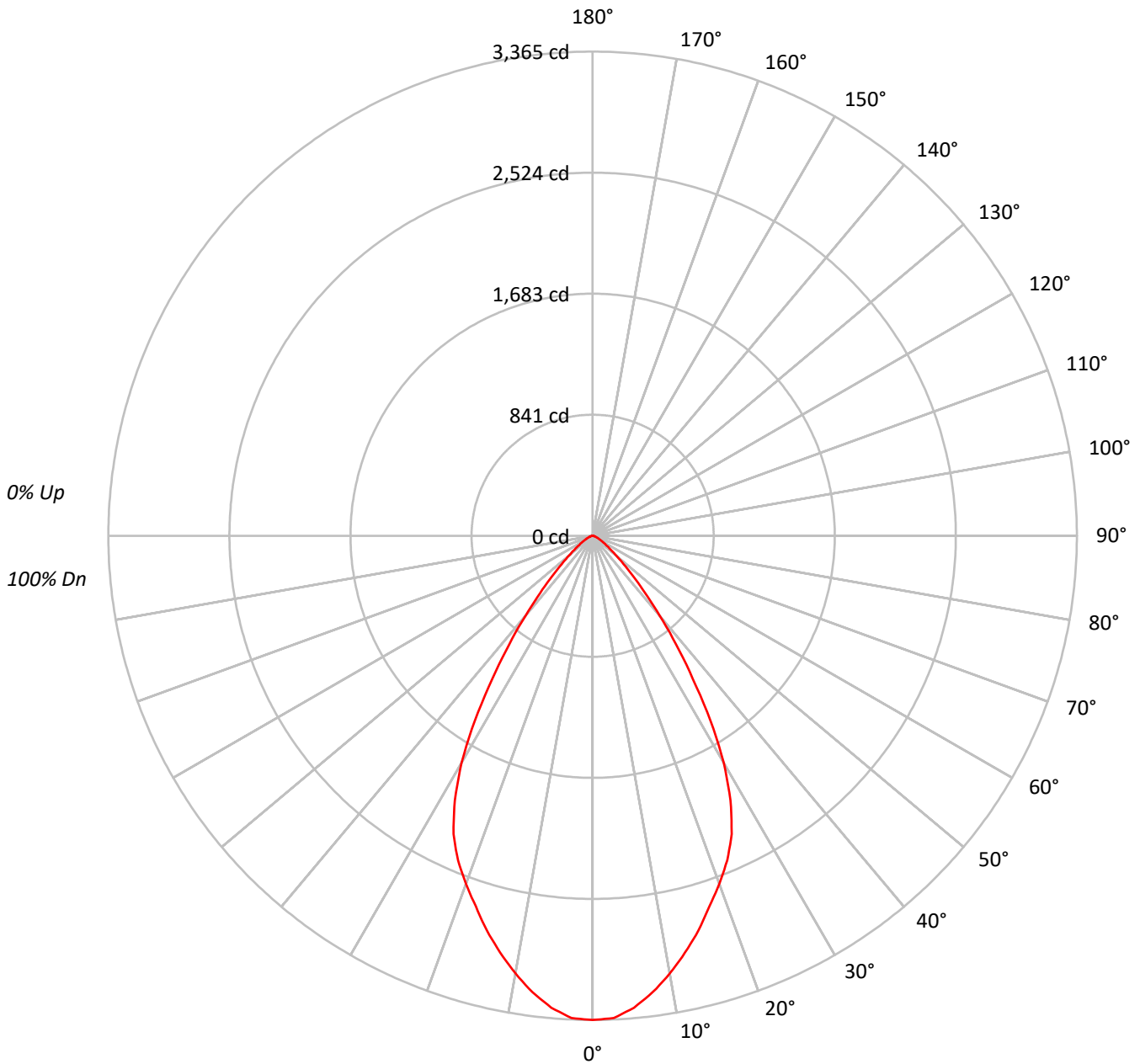
Lumens per Lamp: N/A  
Luminaire Lumens: 3400.4 lumens  
Efficiency: N/A  
Efficacy: 81.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 41.7  
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  |     |    |    | 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   | 113 | 110 | 107 | 105 | 111 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 95  | 94  | 92  |    |    |    | 92  |
| 2   | 107 | 102 | 97  | 93  | 105 | 100 | 96  | 92  | 97  | 93  | 90  | 94  | 91  | 88  | 91  | 89  | 87  | 85  |    |    |    | 85  |
| 3   | 101 | 94  | 88  | 84  | 99  | 92  | 87  | 84  | 90  | 86  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 78  |    |    |    | 78  |
| 4   | 95  | 87  | 81  | 76  | 93  | 86  | 80  | 76  | 84  | 79  | 75  | 82  | 78  | 74  | 80  | 76  | 73  | 72  |    |    |    | 72  |
| 5   | 90  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 69  | 76  | 72  | 68  | 75  | 71  | 68  | 66  |    |    |    | 66  |
| 6   | 85  | 75  | 69  | 64  | 83  | 75  | 69  | 64  | 73  | 68  | 64  | 72  | 67  | 63  | 70  | 66  | 63  | 61  |    |    |    | 61  |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 64  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 62  | 58  | 57  |    |    |    | 57  |
| 8   | 76  | 66  | 60  | 55  | 75  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 54  | 53  |    |    |    | 53  |
| 9   | 72  | 62  | 56  | 51  | 71  | 61  | 55  | 51  | 60  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 51  | 49  |    |    |    | 49  |
| 10  | 69  | 58  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 48  | 56  | 51  | 48  | 55  | 51  | 48  | 46  |    |    |    | 46  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 184475 |
| 5°  | 181174 |
| 10° | 171918 |
| 15° | 161215 |
| 20° | 150134 |
| 25° | 138335 |
| 30° | 115265 |
| 35° | 81245  |
| 40° | 51776  |
| 45° | 30879  |
| 50° | 18225  |
| 55° | 11593  |
| 60° | 7993   |
| 65° | 5669   |
| 70° | 3895   |
| 75° | 3092   |
| 80° | 1515   |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 307.7  | 9.0       |
| 10°-20°   | 796.0  | 23.4      |
| 20°-30°   | 1031.4 | 30.3      |
| 30°-40°   | 765.7  | 22.5      |
| 40°-50°   | 323.3  | 9.5       |
| 50°-60°   | 114.8  | 3.4       |
| 60°-70°   | 44.3   | 1.3       |
| 70°-80°   | 15.3   | 0.5       |
| 80°-90°   | 2.0    | 0.1       |
| 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°    | 2135.0 | 62.8      |
| 0°-40°    | 2900.7 | 85.3      |
| 0°-60°    | 3338.7 | 98.2      |
| 0°-90°    | 3400.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3400.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3365 |      |
| 5°  | 3292 | 308  |
| 15° | 2841 | 796  |
| 25° | 2287 | 1031 |
| 35° | 1214 | 766  |
| 45° | 398  | 323  |
| 55° | 121  | 115  |
| 65° | 44   | 44   |
| 75° | 15   | 15   |
| 85° | 0    | 2    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 3365.1 |
| 2.5°  | 3355.3 |
| 5°    | 3292.3 |
| 7.5°  | 3199.9 |
| 10°   | 3088.4 |
| 12.5° | 2966.9 |
| 15°   | 2840.6 |
| 17.5° | 2699.8 |
| 20°   | 2573.5 |
| 22.5° | 2442.5 |
| 25°   | 2287.0 |
| 27.5° | 2073.4 |
| 30°   | 1820.9 |
| 32.5° | 1524.7 |
| 35°   | 1214.0 |
| 37.5° | 951.8  |
| 40°   | 723.5  |
| 42.5° | 539.0  |
| 45°   | 398.3  |
| 47.5° | 291.3  |
| 50°   | 213.7  |
| 52.5° | 160.2  |
| 55°   | 121.3  |
| 57.5° | 92.2   |
| 60°   | 72.9   |
| 62.5° | 53.5   |
| 65°   | 43.7   |
| 67.5° | 34.0   |
| 70°   | 24.3   |
| 72.5° | 19.4   |
| 75°   | 14.6   |
| 77.5° | 9.7    |
| 80°   | 4.8    |
| 82.5° | 4.8    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |



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— 0°-180°







(END OF REPORT)