

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P751182

Luminaire Tested: LD4D60D010-EU4DR6055659050-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751182  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D60D010-EU4DR6055659050-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6427.9 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 64.4  
Input Voltage (V): NR  
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: 24 FT

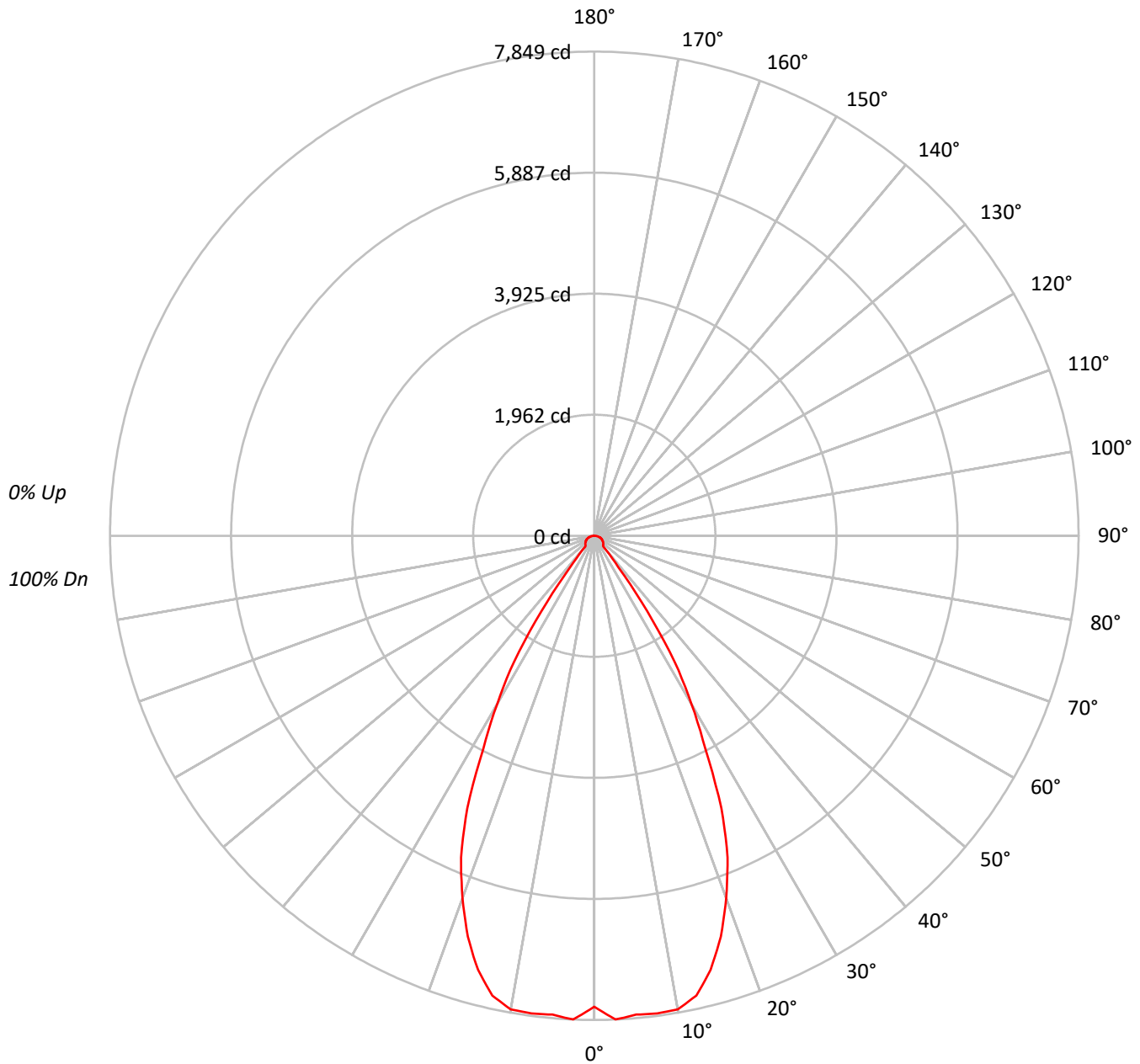


Downlight

TEST NUMBER: P751182

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### Luminous Intensity Polar Plot





TEST NUMBER: P751182

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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  | 30  | 10  |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 113 | 110 | 108 | 105 |  | 111 | 108 | 106 | 104 |  | 104 | 102 | 100 |  | 100 | 99  | 97  |  | 97  | 96  | 95  |
| 2   | 107 | 102 | 98  | 95  |  | 105 | 101 | 97  | 94  |  | 97  | 94  | 92  |  | 94  | 92  | 90  |  | 92  | 90  | 88  |
| 3   | 102 | 96  | 90  | 86  |  | 100 | 94  | 89  | 86  |  | 91  | 88  | 84  |  | 89  | 86  | 83  |  | 87  | 84  | 82  |
| 4   | 97  | 89  | 84  | 80  |  | 95  | 88  | 83  | 79  |  | 86  | 82  | 78  |  | 84  | 80  | 77  |  | 82  | 79  | 76  |
| 5   | 92  | 84  | 78  | 74  |  | 91  | 83  | 78  | 74  |  | 81  | 77  | 73  |  | 80  | 76  | 72  |  | 78  | 75  | 72  |
| 6   | 88  | 79  | 73  | 69  |  | 87  | 78  | 73  | 69  |  | 77  | 72  | 68  |  | 75  | 71  | 68  |  | 74  | 70  | 67  |
| 7   | 84  | 75  | 69  | 65  |  | 83  | 74  | 68  | 64  |  | 73  | 68  | 64  |  | 72  | 67  | 64  |  | 71  | 67  | 63  |
| 8   | 80  | 71  | 65  | 61  |  | 79  | 70  | 65  | 61  |  | 69  | 64  | 60  |  | 68  | 64  | 60  |  | 67  | 63  | 60  |
| 9   | 77  | 67  | 61  | 57  |  | 75  | 67  | 61  | 57  |  | 66  | 61  | 57  |  | 65  | 60  | 57  |  | 64  | 60  | 57  |
| 10  | 73  | 64  | 58  | 54  |  | 72  | 63  | 58  | 54  |  | 62  | 58  | 54  |  | 62  | 57  | 54  |  | 61  | 57  | 54  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 834097 |
| 5°  | 854612 |
| 10° | 864937 |
| 15° | 823964 |
| 20° | 726484 |
| 25° | 587602 |
| 30° | 397465 |
| 35° | 199167 |
| 40° | 32306  |
| 45° | 31630  |
| 50° | 32262  |
| 55° | 32745  |
| 60° | 33652  |
| 65° | 34411  |
| 70° | 35236  |
| 75° | 35630  |
| 80° | 34355  |
| 85° | 28708  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 35630 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 744.7  | 11.6      |
| 10°-20°   | 2014.9 | 31.3      |
| 20°-30°   | 2167.9 | 33.7      |
| 30°-40°   | 942.3  | 14.7      |
| 40°-50°   | 158.3  | 2.5       |
| 50°-60°   | 153.9  | 2.4       |
| 60°-70°   | 131.6  | 2.0       |
| 70°-80°   | 88.1   | 1.4       |
| 80°-90°   | 26.3   | 0.4       |
| 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°    | 4927.5 | 76.7      |
| 0°-40°    | 5869.8 | 91.3      |
| 0°-60°    | 6181.9 | 96.2      |
| 0°-90°    | 6427.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 6427.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7634 |      |
| 5°  | 7792 | 745  |
| 15° | 7284 | 2015 |
| 25° | 4874 | 2168 |
| 35° | 1493 | 942  |
| 45° | 205  | 158  |
| 55° | 172  | 154  |
| 65° | 133  | 132  |
| 75° | 84   | 88   |
| 85° | 23   | 26   |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 7634.0 |
| 2.5°  | 7848.6 |
| 5°    | 7792.0 |
| 7.5°  | 7809.9 |
| 10°   | 7796.0 |
| 12.5° | 7635.0 |
| 15°   | 7284.3 |
| 17.5° | 6813.4 |
| 20°   | 6248.1 |
| 22.5° | 5643.1 |
| 25°   | 4874.1 |
| 27.5° | 3898.5 |
| 30°   | 3150.4 |
| 32.5° | 2428.1 |
| 35°   | 1493.2 |
| 37.5° | 638.8  |
| 40°   | 226.5  |
| 42.5° | 208.6  |
| 45°   | 204.7  |
| 47.5° | 197.7  |
| 50°   | 189.8  |
| 52.5° | 180.8  |
| 55°   | 171.9  |
| 57.5° | 162.9  |
| 60°   | 154.0  |
| 62.5° | 144.1  |
| 65°   | 133.1  |
| 67.5° | 122.2  |
| 70°   | 110.3  |
| 72.5° | 97.4   |
| 75°   | 84.4   |
| 77.5° | 69.5   |
| 80°   | 54.6   |
| 82.5° | 38.7   |
| 85°   | 22.9   |
| 87.5° | 7.9    |
| 90°   | 0.0    |



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

## Scaled Data Report





— 0°-180°







(END OF REPORT)