

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: P761703

Luminaire Tested: LD6D15D010-EU6DR650215IC9024-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761703  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D15D010-EU6DR650215IC9024-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 921.1 lumens  
Efficiency: N/A  
Efficacy: 58.3 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.8  
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



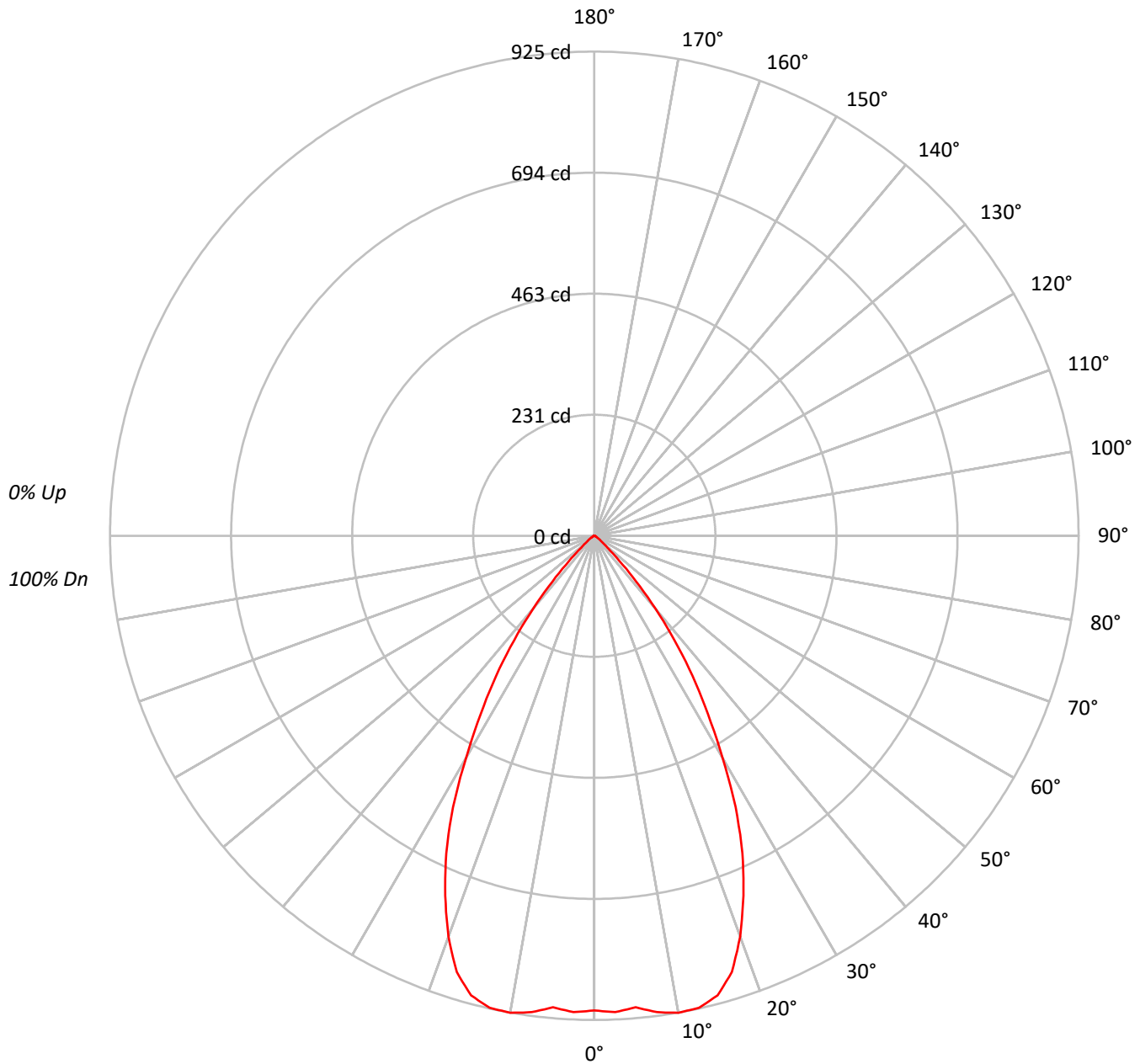
Downlight



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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 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 95  | 106 | 101 | 97  | 94  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  |
| 3   | 102 | 96  | 91  | 87  | 100 | 94  | 90  | 86  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 87  |
| 4   | 97  | 89  | 84  | 79  | 95  | 88  | 83  | 79  | 86  | 82  | 78  |  | 84  | 80  | 77  |  | 82  |
| 5   | 92  | 83  | 78  | 73  | 90  | 83  | 77  | 73  | 81  | 76  | 72  |  | 79  | 75  | 72  |  | 77  |
| 6   | 87  | 78  | 72  | 68  | 86  | 77  | 72  | 68  | 76  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 7   | 83  | 73  | 67  | 63  | 81  | 73  | 67  | 63  | 71  | 66  | 62  |  | 70  | 66  | 62  |  | 69  |
| 8   | 79  | 69  | 63  | 59  | 77  | 68  | 63  | 59  | 67  | 62  | 58  |  | 66  | 62  | 58  |  | 65  |
| 9   | 75  | 65  | 59  | 55  | 74  | 65  | 59  | 55  | 64  | 58  | 55  |  | 63  | 58  | 55  |  | 62  |
| 10  | 71  | 61  | 56  | 52  | 70  | 61  | 55  | 52  | 60  | 55  | 51  |  | 59  | 55  | 51  |  | 59  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 99089  |
| 5°  | 99171  |
| 10° | 102670 |
| 15° | 102833 |
| 20° | 94681  |
| 25° | 80664  |
| 30° | 61757  |
| 35° | 43629  |
| 40° | 25745  |
| 45° | 10461  |
| 50° | 3791   |
| 55° | 2114   |
| 60° | 1224   |
| 65° | 672    |
| 70° | 703    |
| 75° | 549    |
| 80° | 566    |
| 85° | 501    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10461 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 87.3   | 9.5       |
| 10°-20°   | 251.9  | 27.3      |
| 20°-30°   | 302.2  | 32.8      |
| 30°-40°   | 203.1  | 22.1      |
| 40°-50°   | 60.8   | 6.6       |
| 50°-60°   | 10.8   | 1.2       |
| 60°-70°   | 3.1    | 0.3       |
| 70°-80°   | 1.5    | 0.2       |
| 80°-90°   | 0.4    | 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°    | 641.5  | 69.6      |
| 0°-40°    | 844.6  | 91.7      |
| 0°-60°    | 916.1  | 99.5      |
| 0°-90°    | 921.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 921.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 907 |      |
| 5°  | 904 | 87   |
| 15° | 909 | 252  |
| 25° | 669 | 302  |
| 35° | 327 | 203  |
| 45° | 68  | 61   |
| 55° | 11  | 11   |
| 65° | 3   | 3    |
| 75° | 1   | 1    |
| 85° | 0   | 0    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 906.9 |
| 2.5°  | 910.8 |
| 5°    | 904.2 |
| 7.5°  | 917.9 |
| 10°   | 925.4 |
| 12.5° | 923.5 |
| 15°   | 909.1 |
| 17.5° | 873.8 |
| 20°   | 814.3 |
| 22.5° | 744.1 |
| 25°   | 669.1 |
| 27.5° | 584.5 |
| 30°   | 489.5 |
| 32.5° | 403.4 |
| 35°   | 327.1 |
| 37.5° | 251.7 |
| 40°   | 180.5 |
| 42.5° | 117.9 |
| 45°   | 67.7  |
| 47.5° | 35.8  |
| 50°   | 22.3  |
| 52.5° | 15.5  |
| 55°   | 11.1  |
| 57.5° | 8.0   |
| 60°   | 5.6   |
| 62.5° | 3.6   |
| 65°   | 2.6   |
| 67.5° | 2.3   |
| 70°   | 2.2   |
| 72.5° | 1.7   |
| 75°   | 1.3   |
| 77.5° | 1.1   |
| 80°   | 0.9   |
| 82.5° | 0.6   |
| 85°   | 0.4   |
| 87.5° | 0.2   |
| 90°   | 0.0   |



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— 0°-180°







(END OF REPORT)