

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: P761803

Luminaire Tested: LD6D15D010-EU6DR700215IC9030-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D15D010-EU6DR700215IC9030-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1101.1 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
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



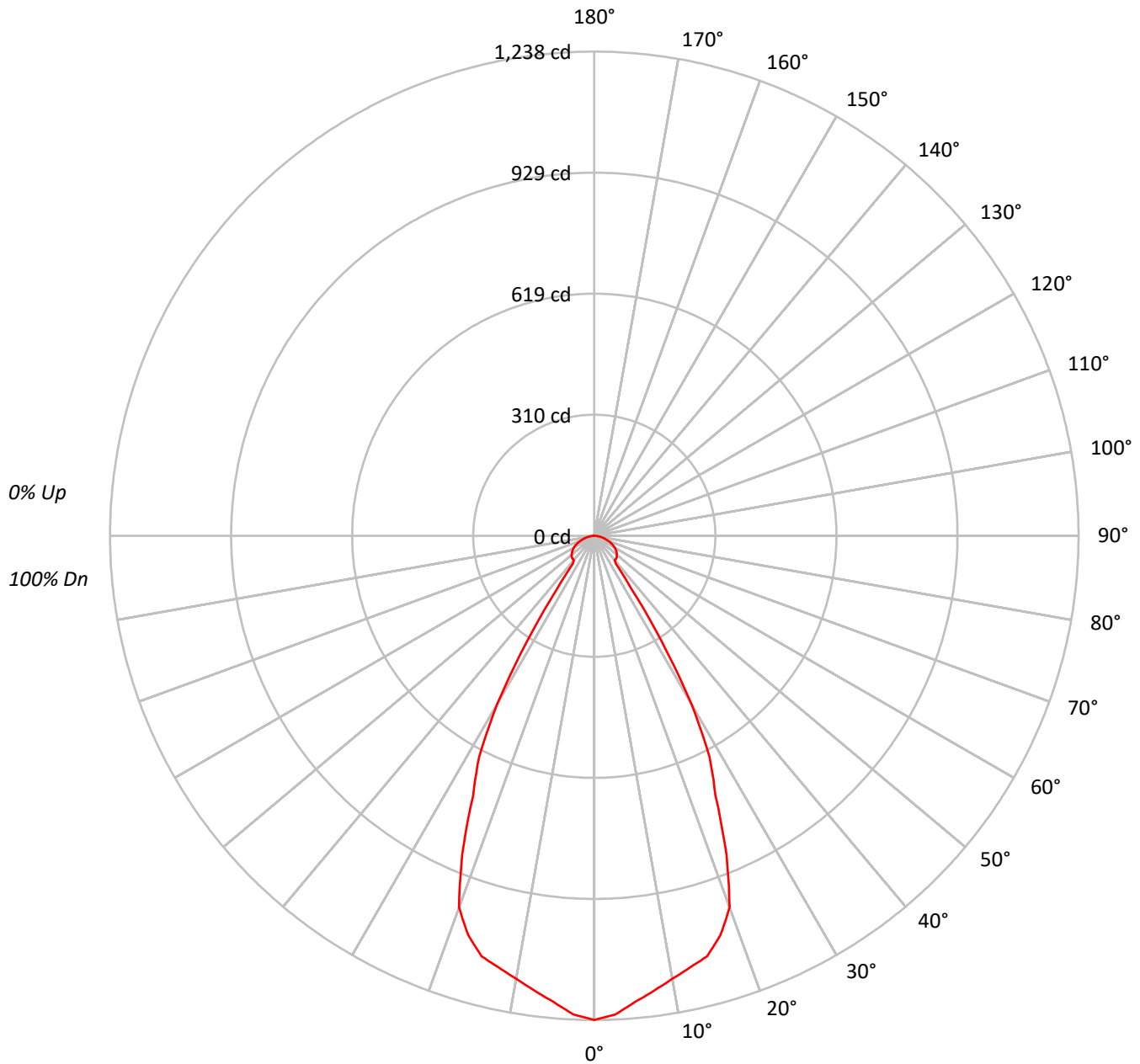
Downlight



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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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99  |  | 99  | 97  | 96  |  | 95  |
| 2   | 106 | 100 | 95  | 91  | 103 | 98  | 94  | 90  | 95  | 91  | 88  |  | 92  | 89  | 86  |  | 89  |
| 3   | 100 | 92  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 84  | 80  |  | 86  | 82  | 79  |  | 83  |
| 4   | 94  | 86  | 80  | 75  | 92  | 85  | 79  | 74  | 82  | 77  | 73  |  | 80  | 76  | 73  |  | 78  |
| 5   | 89  | 80  | 74  | 69  | 87  | 79  | 73  | 69  | 77  | 72  | 68  |  | 75  | 71  | 67  |  | 74  |
| 6   | 85  | 75  | 68  | 64  | 83  | 74  | 68  | 64  | 73  | 67  | 63  |  | 71  | 66  | 63  |  | 70  |
| 7   | 80  | 70  | 64  | 59  | 79  | 70  | 64  | 59  | 68  | 63  | 59  |  | 67  | 62  | 59  |  | 66  |
| 8   | 77  | 66  | 60  | 56  | 75  | 66  | 60  | 56  | 65  | 59  | 55  |  | 64  | 59  | 55  |  | 63  |
| 9   | 73  | 63  | 57  | 52  | 72  | 62  | 56  | 52  | 61  | 56  | 52  |  | 60  | 55  | 52  |  | 60  |
| 10  | 70  | 59  | 53  | 49  | 69  | 59  | 53  | 49  | 58  | 53  | 49  |  | 57  | 52  | 49  |  | 57  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 135265 |
| 5°  | 131241 |
| 10° | 127588 |
| 15° | 125908 |
| 20° | 117575 |
| 25° | 88331  |
| 30° | 62438  |
| 35° | 22115  |
| 40° | 11624  |
| 45° | 12392  |
| 50° | 12833  |
| 55° | 13068  |
| 60° | 13155  |
| 65° | 12875  |
| 70° | 12139  |
| 75° | 11229  |
| 80° | 10004  |
| 85° | 8149   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 13157 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 112.9  | 10.3      |
| 10°-20°   | 309.6  | 28.1      |
| 20°-30°   | 341.0  | 31.0      |
| 30°-40°   | 130.3  | 11.8      |
| 40°-50°   | 61.5   | 5.6       |
| 50°-60°   | 61.2   | 5.6       |
| 60°-70°   | 49.0   | 4.4       |
| 70°-80°   | 28.1   | 2.6       |
| 80°-90°   | 7.7    | 0.7       |
| 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°    | 763.4  | 69.3      |
| 0°-40°    | 893.7  | 81.2      |
| 0°-60°    | 1016.4 | 92.3      |
| 0°-90°    | 1101.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1101.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1238 |      |
| 5°  | 1197 | 113  |
| 15° | 1113 | 310  |
| 25° | 733  | 341  |
| 35° | 166  | 130  |
| 45° | 80   | 62   |
| 55° | 69   | 61   |
| 65° | 50   | 49   |
| 75° | 27   | 28   |
| 85° | 6    | 8    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1238.0 |
| 2.5°  | 1225.0 |
| 5°    | 1196.6 |
| 7.5°  | 1172.9 |
| 10°   | 1150.0 |
| 12.5° | 1130.5 |
| 15°   | 1113.1 |
| 17.5° | 1071.0 |
| 20°   | 1011.2 |
| 22.5° | 882.2  |
| 25°   | 732.7  |
| 27.5° | 637.8  |
| 30°   | 494.9  |
| 32.5° | 319.7  |
| 35°   | 165.8  |
| 37.5° | 89.6   |
| 40°   | 81.5   |
| 42.5° | 81.0   |
| 45°   | 80.2   |
| 47.5° | 78.4   |
| 50°   | 75.5   |
| 52.5° | 72.1   |
| 55°   | 68.6   |
| 57.5° | 64.7   |
| 60°   | 60.2   |
| 62.5° | 55.1   |
| 65°   | 49.8   |
| 67.5° | 43.9   |
| 70°   | 38.0   |
| 72.5° | 32.1   |
| 75°   | 26.6   |
| 77.5° | 21.0   |
| 80°   | 15.9   |
| 82.5° | 11.2   |
| 85°   | 6.5    |
| 87.5° | 2.5    |
| 90°   | 0.0    |



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— 0°-180°







(END OF REPORT)