

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: P774721

Luminaire Tested: LD6D95BD010-EU6DR6570959024-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774721  
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: LD6D95BD010-EU6DR6570959024-6LBDP1MW  
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: 7243.0 lumens  
Efficiency: N/A  
Efficacy: 73.0 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): 99.2  
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

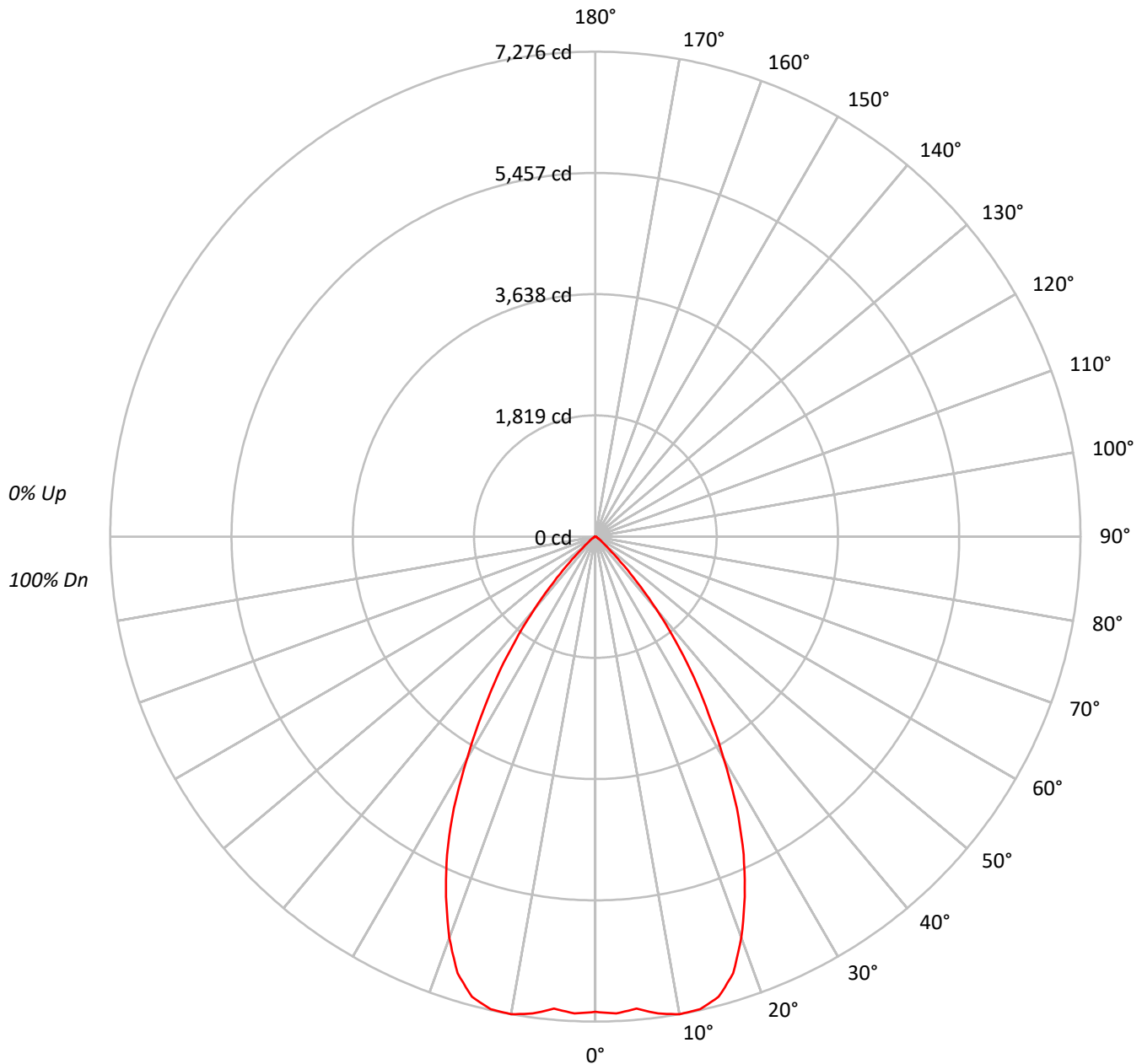


Downlight

TEST NUMBER: P774721

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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  | 30  | 10  |
| RCR |     |     |     |     |  |     |     |     |     |  |     |     |     |  |     |     |     |  |     |     |     |
| 0   | 119 | 119 | 119 | 119 |  | 116 | 116 | 116 | 116 |  | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 | 102 | 102 |
| 1   | 113 | 111 | 108 | 106 |  | 111 | 108 | 106 | 104 |  | 104 | 103 | 101 |  | 101 | 99  | 98  |  | 97  | 96  | 95  |
| 2   | 108 | 103 | 99  | 95  |  | 106 | 101 | 97  | 94  |  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  | 90  | 88  |
| 3   | 102 | 96  | 91  | 87  |  | 100 | 94  | 90  | 86  |  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 87  | 84  | 82  |
| 4   | 97  | 89  | 84  | 79  |  | 95  | 88  | 83  | 79  |  | 86  | 82  | 78  |  | 84  | 80  | 77  |  | 82  | 79  | 76  |
| 5   | 92  | 83  | 78  | 73  |  | 90  | 83  | 77  | 73  |  | 81  | 76  | 72  |  | 79  | 75  | 72  |  | 77  | 74  | 71  |
| 6   | 87  | 78  | 72  | 68  |  | 86  | 77  | 72  | 68  |  | 76  | 71  | 67  |  | 74  | 70  | 67  |  | 73  | 69  | 66  |
| 7   | 83  | 73  | 67  | 63  |  | 81  | 73  | 67  | 63  |  | 71  | 66  | 62  |  | 70  | 66  | 62  |  | 69  | 65  | 62  |
| 8   | 79  | 69  | 63  | 59  |  | 77  | 68  | 63  | 59  |  | 67  | 62  | 58  |  | 66  | 62  | 58  |  | 65  | 61  | 58  |
| 9   | 75  | 65  | 59  | 55  |  | 74  | 65  | 59  | 55  |  | 64  | 58  | 55  |  | 63  | 58  | 55  |  | 62  | 58  | 54  |
| 10  | 71  | 61  | 56  | 52  |  | 70  | 61  | 55  | 52  |  | 60  | 55  | 51  |  | 59  | 55  | 51  |  | 59  | 54  | 51  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 779160 |
| 5°  | 779811 |
| 10° | 807256 |
| 15° | 808603 |
| 20° | 744449 |
| 25° | 634305 |
| 30° | 485591 |
| 35° | 343060 |
| 40° | 202506 |
| 45° | 82204  |
| 50° | 29797  |
| 55° | 16611  |
| 60° | 9528   |
| 65° | 5248   |
| 70° | 5495   |
| 75° | 4264   |
| 80° | 4467   |
| 85° | 3761   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 82204 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 686.7  | 9.5       |
| 10°-20°   | 1980.8 | 27.3      |
| 20°-30°   | 2376.5 | 32.8      |
| 30°-40°   | 1597.1 | 22.1      |
| 40°-50°   | 478.1  | 6.6       |
| 50°-60°   | 84.4   | 1.2       |
| 60°-70°   | 24.0   | 0.3       |
| 70°-80°   | 11.7   | 0.2       |
| 80°-90°   | 3.7    | 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°    | 5044.0 | 69.6      |
| 0°-40°    | 6641.1 | 91.7      |
| 0°-60°    | 7203.5 | 99.5      |
| 0°-90°    | 7243.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7243.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7131 |      |
| 5°  | 7110 | 687  |
| 15° | 7148 | 1981 |
| 25° | 5262 | 2377 |
| 35° | 2572 | 1597 |
| 45° | 532  | 478  |
| 55° | 87   | 84   |
| 65° | 20   | 24   |
| 75° | 10   | 12   |
| 85° | 3    | 4    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 7131.2 |
| 2.5°  | 7161.6 |
| 5°    | 7110.0 |
| 7.5°  | 7217.4 |
| 10°   | 7276.1 |
| 12.5° | 7262.0 |
| 15°   | 7148.5 |
| 17.5° | 6870.8 |
| 20°   | 6402.6 |
| 22.5° | 5851.3 |
| 25°   | 5261.5 |
| 27.5° | 4595.7 |
| 30°   | 3848.9 |
| 32.5° | 3171.9 |
| 35°   | 2572.0 |
| 37.5° | 1979.2 |
| 40°   | 1419.8 |
| 42.5° | 927.3  |
| 45°   | 532.0  |
| 47.5° | 281.7  |
| 50°   | 175.3  |
| 52.5° | 121.6  |
| 55°   | 87.2   |
| 57.5° | 62.8   |
| 60°   | 43.6   |
| 62.5° | 28.4   |
| 65°   | 20.3   |
| 67.5° | 18.2   |
| 70°   | 17.2   |
| 72.5° | 13.2   |
| 75°   | 10.1   |
| 77.5° | 9.1    |
| 80°   | 7.1    |
| 82.5° | 5.1    |
| 85°   | 3.0    |
| 87.5° | 2.0    |
| 90°   | 0.0    |



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— 0°-180°







(END OF REPORT)