

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: P774812

Luminaire Tested: LD6D95BD010-EU6DR7070959027-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774812  
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: LD6D95BD010-EU6DR7070959027-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8556.7 lumens  
Efficiency: N/A  
Efficacy: 86.3 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): 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

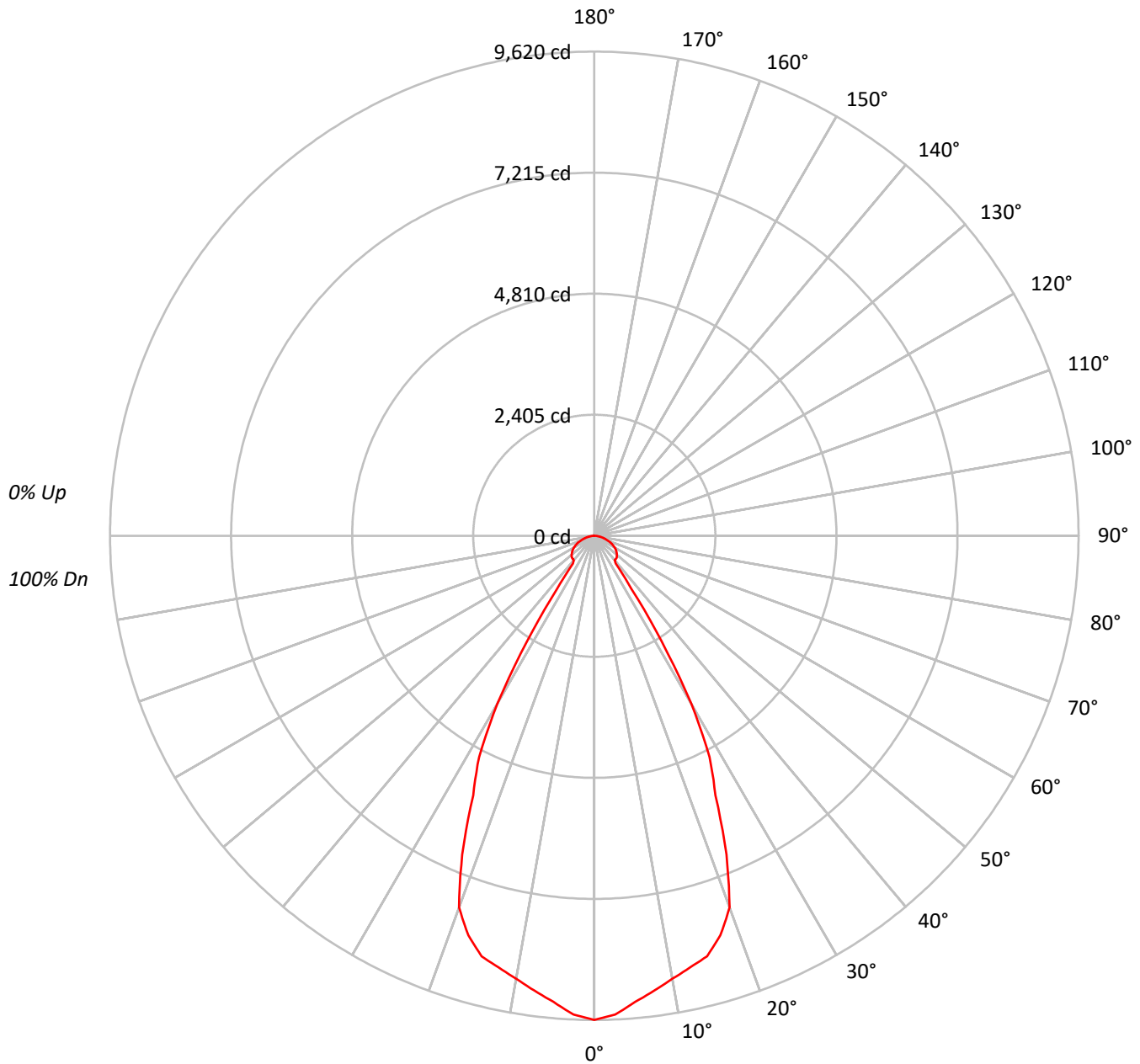


Downlight

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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°  | 1051099 |
| 5°  | 1019864 |
| 10° | 991438  |
| 15° | 978434  |
| 20° | 913649  |
| 25° | 686385  |
| 30° | 485212  |
| 35° | 171877  |
| 40° | 90370   |
| 45° | 96265   |
| 50° | 99676   |
| 55° | 101550  |
| 60° | 102181  |
| 65° | 100026  |
| 70° | 94400   |
| 75° | 87428   |
| 80° | 77644   |
| 85° | 63057   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 102205 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 877.1  | 10.3      |
| 10°-20°   | 2405.8 | 28.1      |
| 20°-30°   | 2649.6 | 31.0      |
| 30°-40°   | 1012.3 | 11.8      |
| 40°-50°   | 478.0  | 5.6       |
| 50°-60°   | 475.2  | 5.6       |
| 60°-70°   | 380.5  | 4.4       |
| 70°-80°   | 218.7  | 2.6       |
| 80°-90°   | 59.5   | 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°    | 5932.4 | 69.3      |
| 0°-40°    | 6944.8 | 81.2      |
| 0°-60°    | 7898.0 | 92.3      |
| 0°-90°    | 8556.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 8556.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 9620 |      |
| 5°  | 9299 | 877  |
| 15° | 8650 | 2406 |
| 25° | 5694 | 2650 |
| 35° | 1289 | 1012 |
| 45° | 623  | 478  |
| 55° | 533  | 475  |
| 65° | 387  | 380  |
| 75° | 207  | 219  |
| 85° | 50   | 59   |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 9620.1 |
| 2.5°  | 9519.6 |
| 5°    | 9298.7 |
| 7.5°  | 9114.4 |
| 10°   | 8936.2 |
| 12.5° | 8785.4 |
| 15°   | 8649.9 |
| 17.5° | 8322.4 |
| 20°   | 7857.8 |
| 22.5° | 6855.6 |
| 25°   | 5693.5 |
| 27.5° | 4956.3 |
| 30°   | 3845.9 |
| 32.5° | 2484.2 |
| 35°   | 1288.6 |
| 37.5° | 696.1  |
| 40°   | 633.6  |
| 42.5° | 629.1  |
| 45°   | 623.0  |
| 47.5° | 609.3  |
| 50°   | 586.4  |
| 52.5° | 560.5  |
| 55°   | 533.1  |
| 57.5° | 502.6  |
| 60°   | 467.6  |
| 62.5° | 428.0  |
| 65°   | 386.9  |
| 67.5° | 341.2  |
| 70°   | 295.5  |
| 72.5° | 249.8  |
| 75°   | 207.1  |
| 77.5° | 163.0  |
| 80°   | 123.4  |
| 82.5° | 86.8   |
| 85°   | 50.3   |
| 87.5° | 19.8   |
| 90°   | 0.0    |



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— 0°-180°







(END OF REPORT)