

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: P774569

Luminaire Tested: LD6D95BD010-EU6DR5570959024-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774569  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D95BD010-EU6DR5570959024-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9798.1 lumens  
Efficiency: N/A  
Efficacy: 98.8 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87  
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

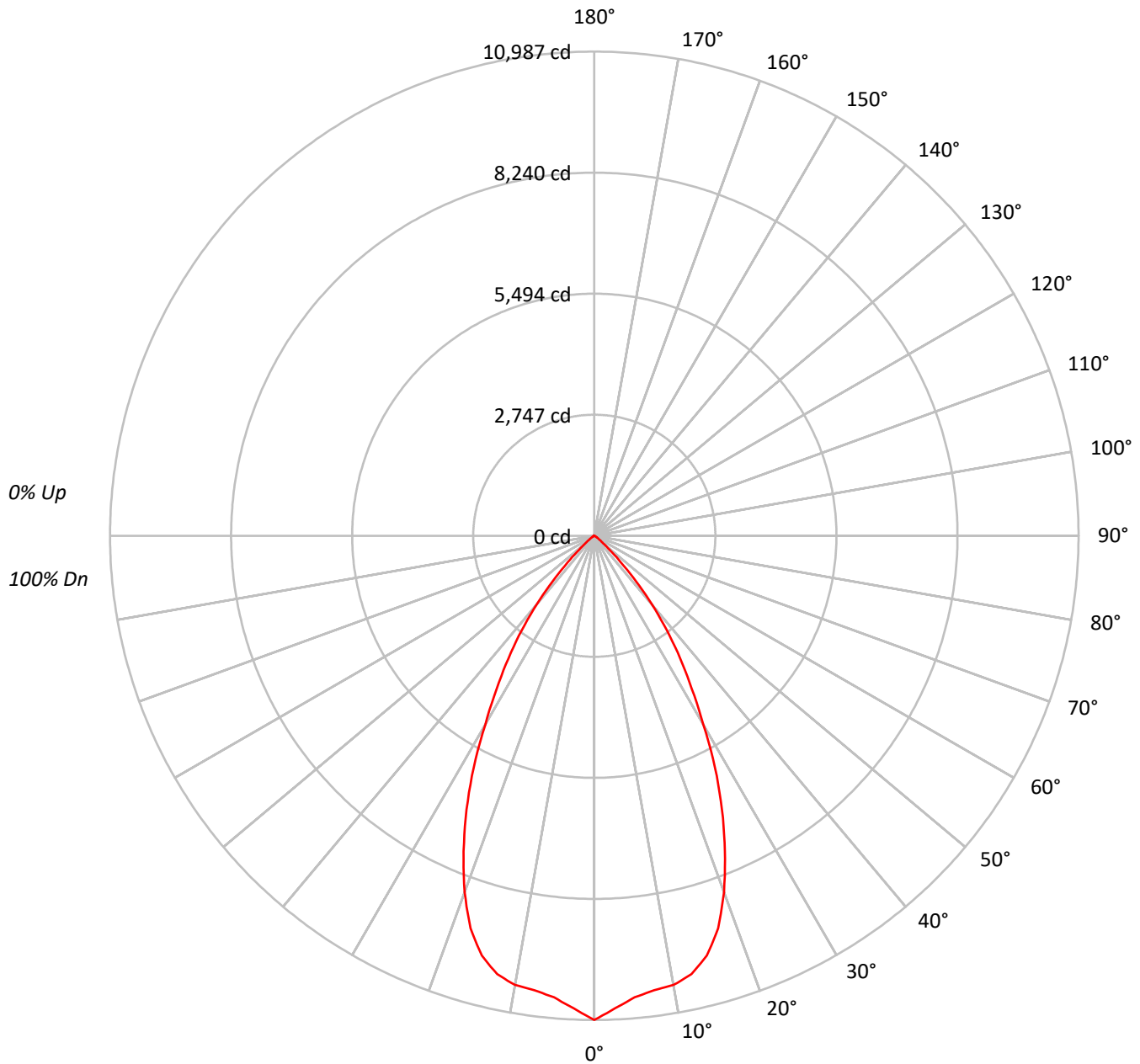


Downlight

TEST NUMBER: P774569

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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   | 114 | 111 | 108 | 106 |  | 111 | 109 | 106 | 104 |  | 105 | 103 | 101 |  | 101 | 99  | 98  |  | 97  | 96  | 95  |
| 2   | 108 | 103 | 99  | 96  |  | 106 | 101 | 98  | 95  |  | 98  | 95  | 92  |  | 95  | 93  | 90  |  | 92  | 90  | 89  |
| 3   | 102 | 96  | 91  | 87  |  | 100 | 95  | 90  | 86  |  | 92  | 88  | 85  |  | 90  | 86  | 84  |  | 87  | 85  | 82  |
| 4   | 97  | 90  | 84  | 80  |  | 95  | 88  | 83  | 79  |  | 86  | 82  | 78  |  | 84  | 81  | 78  |  | 82  | 79  | 77  |
| 5   | 92  | 84  | 78  | 74  |  | 91  | 83  | 77  | 73  |  | 81  | 76  | 73  |  | 79  | 75  | 72  |  | 78  | 74  | 71  |
| 6   | 88  | 79  | 73  | 68  |  | 86  | 78  | 72  | 68  |  | 76  | 71  | 68  |  | 75  | 70  | 67  |  | 74  | 70  | 67  |
| 7   | 83  | 74  | 68  | 64  |  | 82  | 73  | 67  | 63  |  | 72  | 67  | 63  |  | 71  | 66  | 63  |  | 70  | 65  | 62  |
| 8   | 79  | 69  | 63  | 59  |  | 78  | 69  | 63  | 59  |  | 68  | 63  | 59  |  | 67  | 62  | 59  |  | 66  | 62  | 58  |
| 9   | 75  | 66  | 60  | 56  |  | 74  | 65  | 59  | 55  |  | 64  | 59  | 55  |  | 63  | 58  | 55  |  | 62  | 58  | 55  |
| 10  | 72  | 62  | 56  | 52  |  | 71  | 61  | 56  | 52  |  | 61  | 56  | 52  |  | 60  | 55  | 52  |  | 59  | 55  | 52  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1200448 |
| 5°  | 1152772 |
| 10° | 1148427 |
| 15° | 1115439 |
| 20° | 1000144 |
| 25° | 826567  |
| 30° | 624370  |
| 35° | 452714  |
| 40° | 289724  |
| 45° | 132329  |
| 50° | 43277   |
| 55° | 18668   |
| 60° | 8042    |
| 65° | 1060    |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 132329 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1000.1 | 10.2      |
| 10°-20°   | 2729.5 | 27.9      |
| 20°-30°   | 3110.6 | 31.7      |
| 30°-40°   | 2117.5 | 21.6      |
| 40°-50°   | 729.7  | 7.4       |
| 50°-60°   | 100.9  | 1.0       |
| 60°-70°   | 9.8    | 0.1       |
| 70°-80°   | 0.0    | 0.0       |
| 80°-90°   | 0.0    | 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°    | 6840.2 | 69.8      |
| 0°-40°    | 8957.8 | 91.4      |
| 0°-60°    | 9788.3 | 99.9      |
| 0°-90°    | 9798.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 9798.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 10987 |      |
| 5°  | 10510 | ###  |
| 15° | 9861  | 2730 |
| 25° | 6856  | 3111 |
| 35° | 3394  | 2118 |
| 45° | 856   | 730  |
| 55° | 98    | 101  |
| 65° | 4     | 10   |
| 75° | 0     | 0    |
| 85° | 0     | 0    |
| 90° | 0     |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 10987.0 |
| 2.5°  | 10735.1 |
| 5°    | 10510.5 |
| 7.5°  | 10400.2 |
| 10°   | 10351.2 |
| 12.5° | 10187.8 |
| 15°   | 9861.1  |
| 17.5° | 9342.4  |
| 20°   | 8601.7  |
| 22.5° | 7746.7  |
| 25°   | 6856.3  |
| 27.5° | 5929.2  |
| 30°   | 4948.9  |
| 32.5° | 4118.4  |
| 35°   | 3394.1  |
| 37.5° | 2705.2  |
| 40°   | 2031.3  |
| 42.5° | 1407.8  |
| 45°   | 856.4   |
| 47.5° | 461.5   |
| 50°   | 254.6   |
| 52.5° | 151.1   |
| 55°   | 98.0    |
| 57.5° | 62.6    |
| 60°   | 36.8    |
| 62.5° | 16.3    |
| 65°   | 4.1     |
| 67.5° | 1.4     |
| 70°   | 0.0     |
| 72.5° | 0.0     |
| 75°   | 0.0     |
| 77.5° | 0.0     |
| 80°   | 0.0     |
| 82.5° | 0.0     |
| 85°   | 0.0     |
| 87.5° | 0.0     |
| 90°   | 0.0     |



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— 0°-180°







(END OF REPORT)