

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P750736

Luminaire Tested: LD4D60D010-EU4DR3555659027-4LBCSSQMB

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750736  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D60D010-EU4DR3555659027-4LBCSSQMB  
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

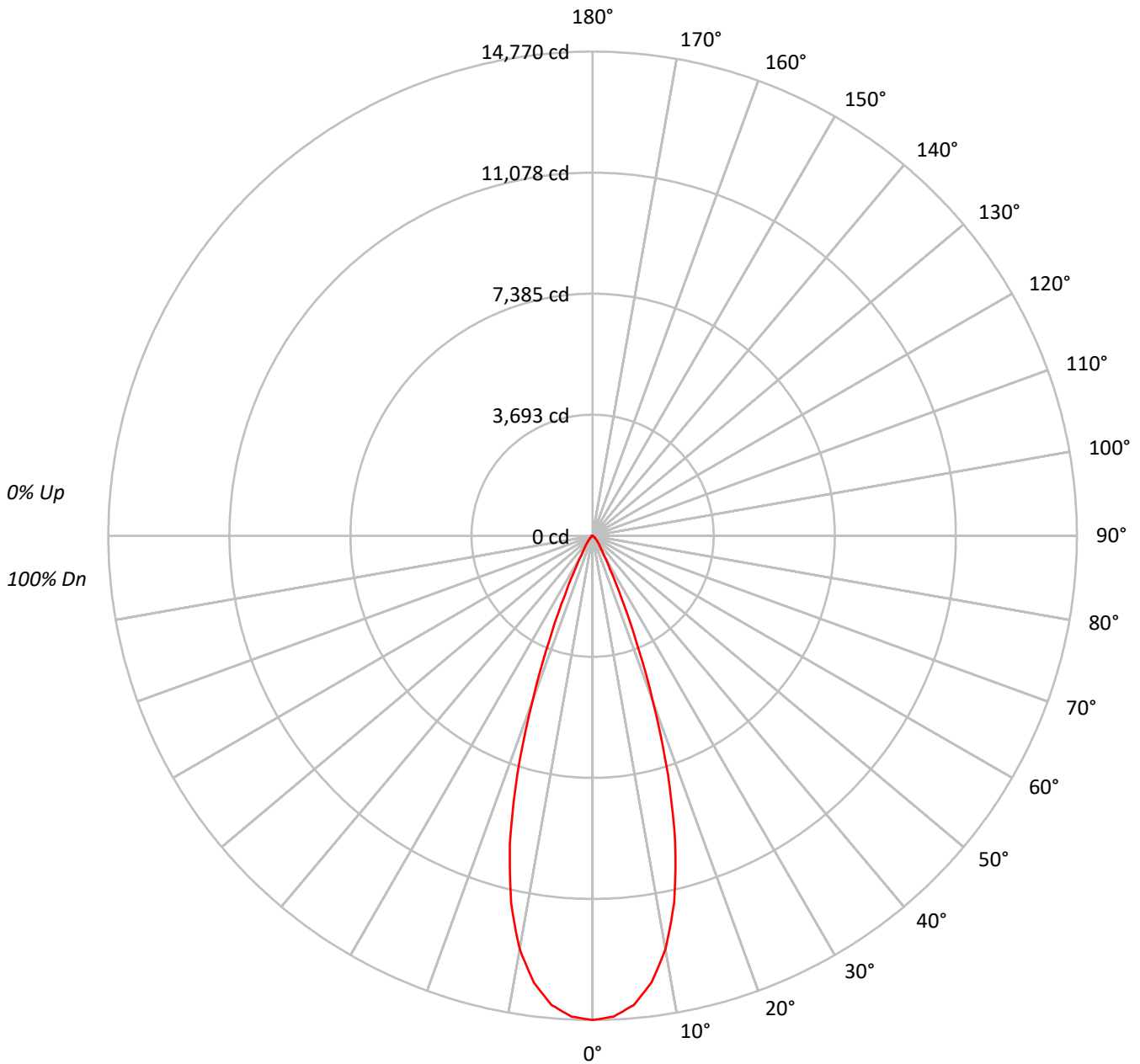
Lumens per Lamp: N/A  
Luminaire Lumens: 5367.9 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 64.4  
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



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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  |     |    | 0  |   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |   |
| 1   | 115 | 112 | 110 | 108 | 112 | 110 | 108 | 107 | 106 | 105 | 103 | 103 | 101 | 100 | 99  | 98  | 98  | 96  |    |    |   |
| 2   | 110 | 106 | 103 | 101 | 108 | 105 | 102 | 99  | 102 | 99  | 97  | 99  | 97  | 95  | 96  | 95  | 93  | 92  |    |    |   |
| 3   | 106 | 101 | 97  | 94  | 105 | 100 | 96  | 93  | 97  | 95  | 92  | 95  | 93  | 91  | 93  | 91  | 89  | 88  |    |    |   |
| 4   | 103 | 97  | 92  | 89  | 101 | 96  | 92  | 89  | 94  | 90  | 88  | 92  | 89  | 87  | 90  | 88  | 86  | 84  |    |    |   |
| 5   | 99  | 93  | 88  | 85  | 98  | 92  | 87  | 84  | 90  | 86  | 84  | 89  | 85  | 83  | 87  | 84  | 82  | 81  |    |    |   |
| 6   | 96  | 89  | 84  | 81  | 94  | 88  | 84  | 81  | 87  | 83  | 80  | 85  | 82  | 80  | 84  | 81  | 79  | 78  |    |    |   |
| 7   | 93  | 85  | 81  | 78  | 91  | 85  | 80  | 77  | 84  | 80  | 77  | 83  | 79  | 77  | 82  | 79  | 76  | 75  |    |    |   |
| 8   | 90  | 82  | 78  | 74  | 88  | 82  | 77  | 74  | 81  | 77  | 74  | 80  | 76  | 74  | 79  | 76  | 73  | 72  |    |    |   |
| 9   | 87  | 79  | 75  | 72  | 86  | 79  | 75  | 72  | 78  | 74  | 71  | 77  | 74  | 71  | 77  | 73  | 71  | 70  |    |    |   |
| 10  | 84  | 77  | 72  | 69  | 83  | 76  | 72  | 69  | 76  | 72  | 69  | 75  | 71  | 69  | 74  | 71  | 69  | 68  |    |    |   |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 1613749 |
| 5°  | 1575833 |
| 10° | 1420245 |
| 15° | 1102340 |
| 20° | 625234  |
| 25° | 243246  |
| 30° | 90749   |
| 35° | 49738   |
| 40° | 32505   |
| 45° | 19794   |
| 50° | 12595   |
| 55° | 8896    |
| 60° | 6512    |
| 65° | 3542    |
| 70° | 256     |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19794 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1321.4 | 24.6      |
| 10°-20°   | 2580.0 | 48.1      |
| 20°-30°   | 1052.2 | 19.6      |
| 30°-40°   | 251.8  | 4.7       |
| 40°-50°   | 104.9  | 2.0       |
| 50°-60°   | 43.4   | 0.8       |
| 60°-70°   | 13.6   | 0.3       |
| 70°-80°   | 0.3    | 0.0       |
| 80°-90°   | 0.2    | 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°    | 4953.6 | 92.3      |
| 0°-40°    | 5205.4 | 97.0      |
| 0°-60°    | 5353.8 | 99.7      |
| 0°-90°    | 5367.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5367.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 14770 |      |
| 5°  | 14368 | ###  |
| 15° | 9745  | 2580 |
| 25° | 2018  | 1052 |
| 35° | 373   | 252  |
| 45° | 128   | 105  |
| 55° | 47    | 43   |
| 65° | 14    | 14   |
| 75° | 0     | 0    |
| 85° | 0     | 0    |
| 90° | 0     |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 14769.7 |
| 2.5°  | 14681.1 |
| 5°    | 14367.8 |
| 7.5°  | 13742.8 |
| 10°   | 12801.2 |
| 12.5° | 11475.4 |
| 15°   | 9745.3  |
| 17.5° | 7629.3  |
| 20°   | 5377.3  |
| 22.5° | 3428.8  |
| 25°   | 2017.7  |
| 27.5° | 1140.5  |
| 30°   | 719.3   |
| 32.5° | 505.0   |
| 35°   | 372.9   |
| 37.5° | 288.4   |
| 40°   | 227.9   |
| 42.5° | 175.6   |
| 45°   | 128.1   |
| 47.5° | 95.8    |
| 50°   | 74.1    |
| 52.5° | 58.8    |
| 55°   | 46.7    |
| 57.5° | 37.9    |
| 60°   | 29.8    |
| 62.5° | 21.7    |
| 65°   | 13.7    |
| 67.5° | 4.8     |
| 70°   | 0.8     |
| 72.5° | 0.8     |
| 75°   | 0.0     |
| 77.5° | 0.0     |
| 80°   | 0.0     |
| 82.5° | 0.8     |
| 85°   | 0.0     |
| 87.5° | 0.0     |
| 90°   | 0.0     |

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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