

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: P761028

Luminaire Tested: LD6D15D010-EU6DR2015309027-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761028  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D15D010-EU6DR2015309027-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1339.5 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

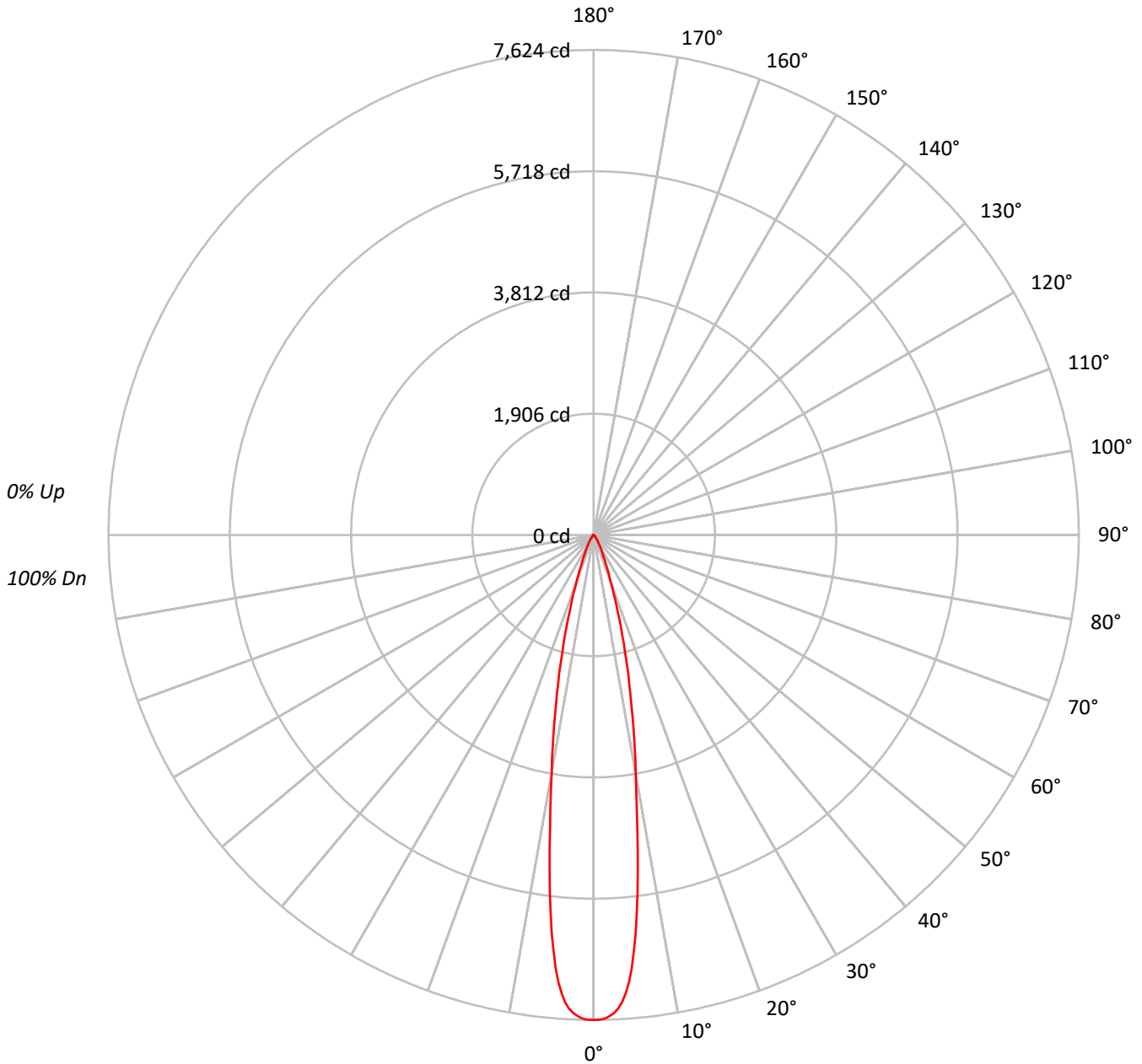


Downlight



TEST NUMBER: P761028  
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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |     |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|--|--|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |    |     |  |  |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 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 |    |    |    | 100 |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 115 | 113 | 111 | 109 | 113 | 111 | 109 | 108 | 107 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 97 | 98 | 98 | 97  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99  | 100 | 99  | 97  | 98  | 96  | 95  | 94  | 94 | 98 | 96 | 95  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  | 97  | 95  | 93  | 95  | 93  | 92  | 91  | 91 | 95 | 93 | 92  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 105 | 99  | 96  | 93  | 103 | 98  | 95  | 92  | 96  | 93  | 91  | 95  | 92  | 90  | 93  | 91  | 89  | 88  | 88 | 93 | 91 | 89  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 102 | 96  | 92  | 89  | 100 | 95  | 91  | 89  | 94  | 90  | 88  | 92  | 89  | 87  | 91  | 88  | 86  | 85  | 85 | 91 | 88 | 86  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 88  | 86  | 91  | 87  | 85  | 90  | 87  | 84  | 88  | 86  | 84  | 83  | 83 | 88 | 86 | 84  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 96  | 90  | 86  | 83  | 95  | 89  | 86  | 83  | 88  | 85  | 82  | 87  | 84  | 82  | 86  | 84  | 82  | 81  | 81 | 86 | 84 | 82  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 94  | 87  | 83  | 81  | 93  | 87  | 83  | 80  | 86  | 83  | 80  | 85  | 82  | 80  | 84  | 82  | 80  | 79  | 79 | 84 | 82 | 80  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 82  | 80  | 78  | 77  | 77 | 82 | 80 | 78  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 76  | 81  | 78  | 76  | 75  | 75 | 81 | 78 | 76  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 833026 |
| 5°  | 751547 |
| 10° | 421807 |
| 15° | 214410 |
| 20° | 90786  |
| 25° | 41905  |
| 30° | 22180  |
| 35° | 11951  |
| 40° | 6390   |
| 45° | 3770   |
| 50° | 2193   |
| 55° | 1162   |
| 60° | 743    |
| 65° | 517    |
| 70° | 224    |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3770 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 542.8  | 40.5      |
| 10°-20°   | 534.5  | 39.9      |
| 20°-30°   | 174.6  | 13.0      |
| 30°-40°   | 59.5   | 4.4       |
| 40°-50°   | 20.0   | 1.5       |
| 50°-60°   | 6.0    | 0.4       |
| 60°-70°   | 2.0    | 0.1       |
| 70°-80°   | 0.1    | 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°    | 1252.0 | 93.5      |
| 0°-40°    | 1311.4 | 97.9      |
| 0°-60°    | 1337.4 | 99.8      |
| 0°-90°    | 1339.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1339.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7624 |      |
| 5°  | 6852 | 543  |
| 15° | 1896 | 535  |
| 25° | 348  | 175  |
| 35° | 90   | 59   |
| 45° | 24   | 20   |
| 55° | 6    | 6    |
| 65° | 2    | 2    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 7624.2 |
| 0.5°  | 7624.2 |
| 1°    | 7614.7 |
| 1.5°  | 7595.7 |
| 2°    | 7561.1 |
| 2.5°  | 7514.9 |
| 3°    | 7449.7 |
| 3.5°  | 7358.7 |
| 4°    | 7223.6 |
| 4.5°  | 7059.3 |
| 5°    | 6852.3 |
| 5.5°  | 6580.0 |
| 6°    | 6301.0 |
| 6.5°  | 5981.2 |
| 7°    | 5668.3 |
| 7.5°  | 5301.6 |
| 8°    | 4974.4 |
| 8.5°  | 4645.1 |
| 9°    | 4341.0 |
| 9.5°  | 4061.9 |
| 10°   | 3801.9 |
| 12.5° | 2729.9 |
| 15°   | 1895.5 |
| 17.5° | 1238.3 |
| 20°   | 780.8  |
| 22.5° | 505.8  |
| 25°   | 347.6  |
| 27.5° | 244.4  |
| 30°   | 175.8  |
| 32.5° | 126.3  |
| 35°   | 89.6   |
| 37.5° | 62.5   |
| 40°   | 44.8   |
| 42.5° | 32.6   |
| 45°   | 24.4   |
| 47.5° | 19.0   |
| 50°   | 12.9   |
| 52.5° | 8.1    |
| 55°   | 6.1    |
| 57.5° | 4.8    |
| 60°   | 3.4    |
| 62.5° | 2.7    |
| 65°   | 2.0    |



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**CANDELA DISTRIBUTION (continued):**

|       | 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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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9



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— 0°-180°

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|       |  |     |
|-------|--|-----|
| 67.5° |  | 1.4 |
| 70°   |  | 0.7 |

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Scaled Data Report



(END OF REPORT)