

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: P771576

Luminaire Tested: LD6D75BD010-EU6DR6070959040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D75BD010-EU6DR6070959040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8926.5 lumens  
Efficiency: N/A  
Efficacy: 123.3 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

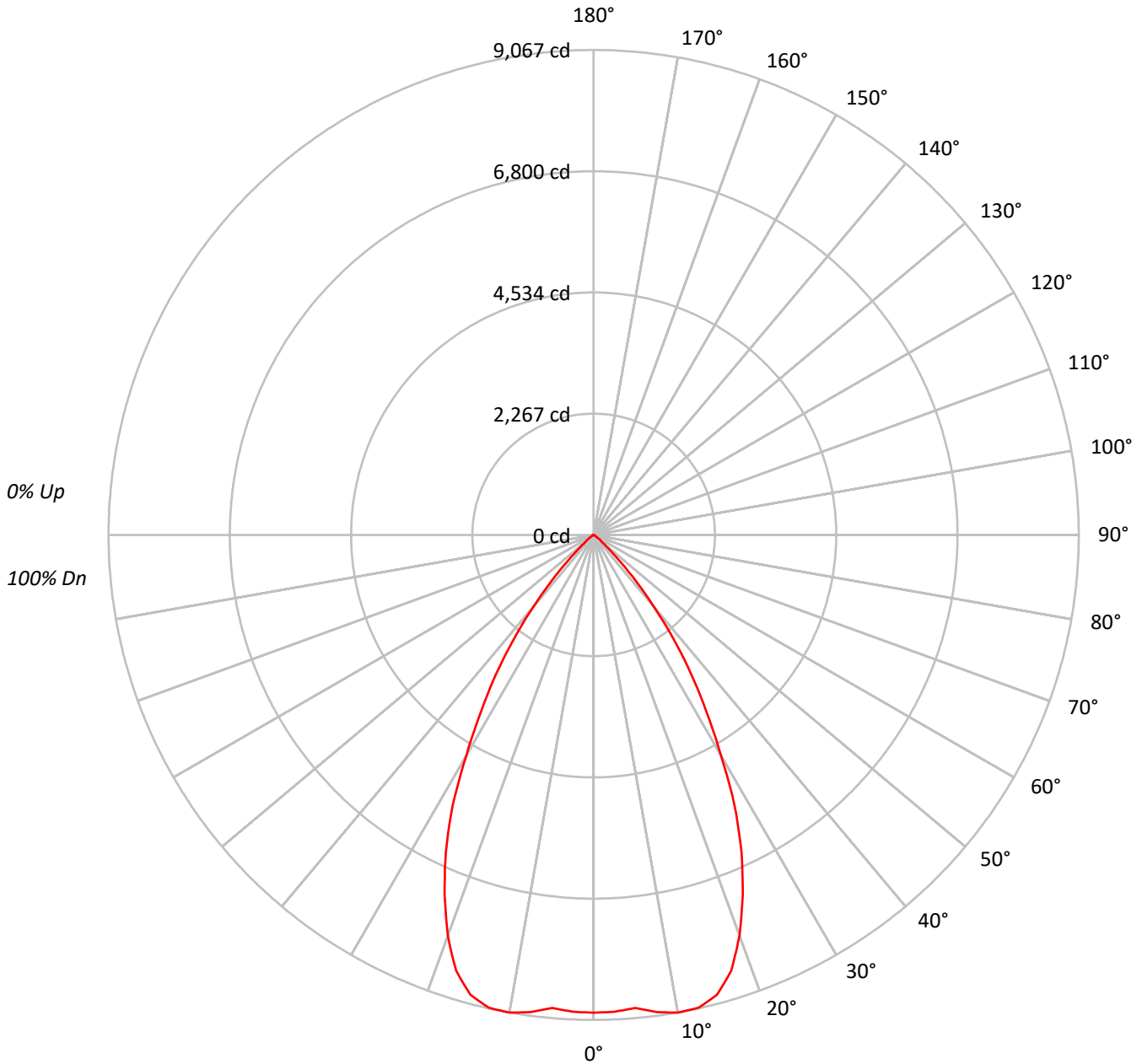
Input Watts (W): 72.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 114 | 111 | 108 | 106 | 111 | 109 | 106 | 104 | 105 | 103 | 101 | 101 | 99  | 98  | 97  | 96  | 95  | 94  |
| 2   | 108 | 103 | 99  | 96  | 106 | 101 | 98  | 95  | 98  | 95  | 92  | 95  | 93  | 90  | 92  | 90  | 89  | 87  |
| 3   | 102 | 96  | 91  | 87  | 100 | 95  | 90  | 86  | 92  | 88  | 85  | 90  | 86  | 84  | 87  | 85  | 82  | 81  |
| 4   | 97  | 90  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 78  | 84  | 81  | 78  | 82  | 79  | 77  | 75  |
| 5   | 92  | 84  | 78  | 74  | 91  | 83  | 77  | 73  | 81  | 76  | 73  | 79  | 75  | 72  | 78  | 74  | 71  | 70  |
| 6   | 87  | 79  | 73  | 68  | 86  | 78  | 72  | 68  | 76  | 71  | 68  | 75  | 70  | 67  | 74  | 70  | 67  | 65  |
| 7   | 83  | 74  | 68  | 63  | 82  | 73  | 67  | 63  | 72  | 67  | 63  | 71  | 66  | 63  | 69  | 65  | 62  | 61  |
| 8   | 79  | 69  | 63  | 59  | 78  | 69  | 63  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 66  | 61  | 58  | 57  |
| 9   | 75  | 65  | 59  | 55  | 74  | 65  | 59  | 55  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 53  |
| 10  | 72  | 62  | 56  | 52  | 71  | 61  | 56  | 52  | 61  | 55  | 52  | 60  | 55  | 52  | 59  | 55  | 52  | 50  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 976026  |
| 5°  | 973646  |
| 10° | 1005983 |
| 15° | 1007018 |
| 20° | 926567  |
| 25° | 788110  |
| 30° | 600513  |
| 35° | 424664  |
| 40° | 249360  |
| 45° | 100622  |
| 50° | 33588   |
| 55° | 16173   |
| 60° | 6643    |
| 65° | 982     |
| 70° | 0       |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 100622 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 856.4  | 9.6       |
| 10°-20°   | 2466.3 | 27.6      |
| 20°-30°   | 2951.9 | 33.1      |
| 30°-40°   | 1974.4 | 22.1      |
| 40°-50°   | 585.4  | 6.6       |
| 50°-60°   | 84.2   | 0.9       |
| 60°-70°   | 8.0    | 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°    | 6274.6 | 70.3      |
| 0°-40°    | 8248.9 | 92.4      |
| 0°-60°    | 8918.5 | 99.9      |
| 0°-90°    | 8926.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 8926.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 8933 |      |
| 5°  | 8877 | 856  |
| 15° | 8903 | 2466 |
| 25° | 6537 | 2952 |
| 35° | 3184 | 1974 |
| 45° | 651  | 585  |
| 55° | 85   | 84   |
| 65° | 4    | 8    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 8933.0 |
| 2.5°  | 8921.6 |
| 5°    | 8877.3 |
| 7.5°  | 8997.6 |
| 10°   | 9067.3 |
| 12.5° | 9054.6 |
| 15°   | 8902.6 |
| 17.5° | 8544.1 |
| 20°   | 7968.9 |
| 22.5° | 7278.4 |
| 25°   | 6537.3 |
| 27.5° | 5702.4 |
| 30°   | 4759.8 |
| 32.5° | 3918.6 |
| 35°   | 3183.8 |
| 37.5° | 2447.7 |
| 40°   | 1748.3 |
| 42.5° | 1152.9 |
| 45°   | 651.2  |
| 47.5° | 333.2  |
| 50°   | 197.6  |
| 52.5° | 128.0  |
| 55°   | 84.9   |
| 57.5° | 54.5   |
| 60°   | 30.4   |
| 62.5° | 12.7   |
| 65°   | 3.8    |
| 67.5° | 1.3    |
| 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    |

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report



— 0°-180°

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Scaled Data Report



(END OF REPORT)