

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: P757985

Luminaire Tested: LD6D05D010-EU6DR200210IC9024-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757985  
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: LD6D05D010-EU6DR200210IC9024-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 643.0 lumens  
Efficiency: N/A  
Efficacy: 85.7 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): 7.5  
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

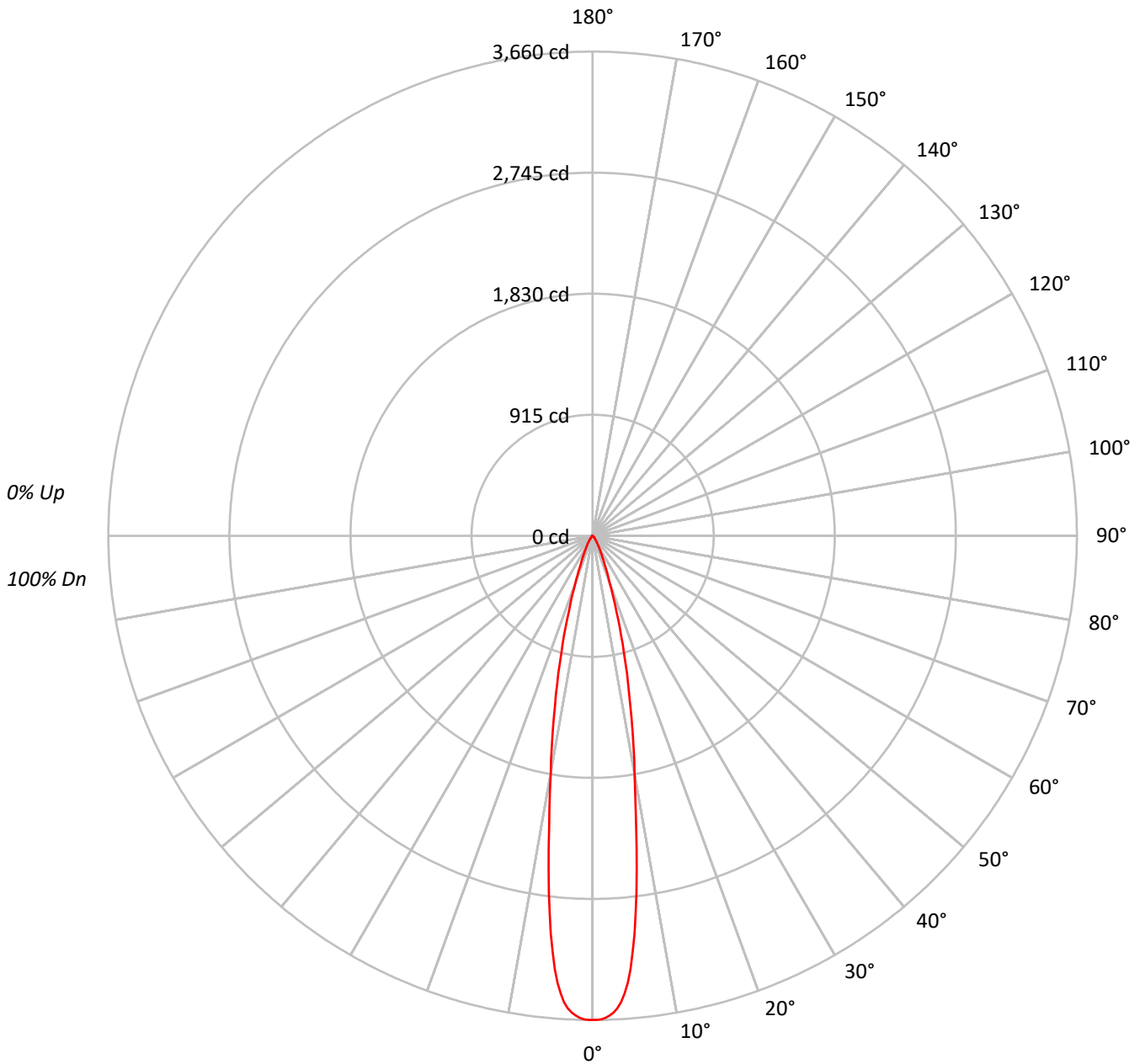


Downlight



TEST NUMBER: P757985  
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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°  | 399916 |
| 5°  | 360808 |
| 10° | 202499 |
| 15° | 102935 |
| 20° | 43579  |
| 25° | 20121  |
| 30° | 10648  |
| 35° | 5735   |
| 40° | 3067   |
| 45° | 1808   |
| 50° | 1054   |
| 55° | 552    |
| 60° | 350    |
| 65° | 259    |
| 70° | 96     |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1808 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 260.6  | 40.5      |
| 10°-20°   | 256.6  | 39.9      |
| 20°-30°   | 83.8   | 13.0      |
| 30°-40°   | 28.5   | 4.4       |
| 40°-50°   | 9.6    | 1.5       |
| 50°-60°   | 2.9    | 0.4       |
| 60°-70°   | 1.0    | 0.2       |
| 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°    | 601.0  | 93.5      |
| 0°-40°    | 629.6  | 97.9      |
| 0°-60°    | 642.0  | 99.8      |
| 0°-90°    | 643.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 643.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3660 |      |
| 5°  | 3290 | 261  |
| 15° | 910  | 257  |
| 25° | 167  | 84   |
| 35° | 43   | 29   |
| 45° | 12   | 10   |
| 55° | 3    | 3    |
| 65° | 1    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 3660.2 |
| 0.5°  | 3660.2 |
| 1°    | 3655.7 |
| 1.5°  | 3646.6 |
| 2°    | 3629.9 |
| 2.5°  | 3607.8 |
| 3°    | 3576.5 |
| 3.5°  | 3532.8 |
| 4°    | 3467.9 |
| 4.5°  | 3389.1 |
| 5°    | 3289.7 |
| 5.5°  | 3159.0 |
| 6°    | 3025.0 |
| 6.5°  | 2871.5 |
| 7°    | 2721.2 |
| 7.5°  | 2545.2 |
| 8°    | 2388.1 |
| 8.5°  | 2230.0 |
| 9°    | 2084.0 |
| 9.5°  | 1950.1 |
| 10°   | 1825.2 |
| 12.5° | 1310.6 |
| 15°   | 910.0  |
| 17.5° | 594.5  |
| 20°   | 374.8  |
| 22.5° | 242.8  |
| 25°   | 166.9  |
| 27.5° | 117.3  |
| 30°   | 84.4   |
| 32.5° | 60.6   |
| 35°   | 43.0   |
| 37.5° | 30.0   |
| 40°   | 21.5   |
| 42.5° | 15.6   |
| 45°   | 11.7   |
| 47.5° | 9.1    |
| 50°   | 6.2    |
| 52.5° | 3.9    |
| 55°   | 2.9    |
| 57.5° | 2.3    |
| 60°   | 1.6    |
| 62.5° | 1.3    |
| 65°   | 1.0    |



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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 |

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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— 0°-180°

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|       |  |     |
|-------|--|-----|
| 67.5° |  | 0.7 |
| 70°   |  | 0.3 |

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Scaled Data Report



(END OF REPORT)