

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: P760145

Luminaire Tested: LD6D10D010-EU6DR250210IC9040-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D10D010-EU6DR250210IC9040-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1007.5 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
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



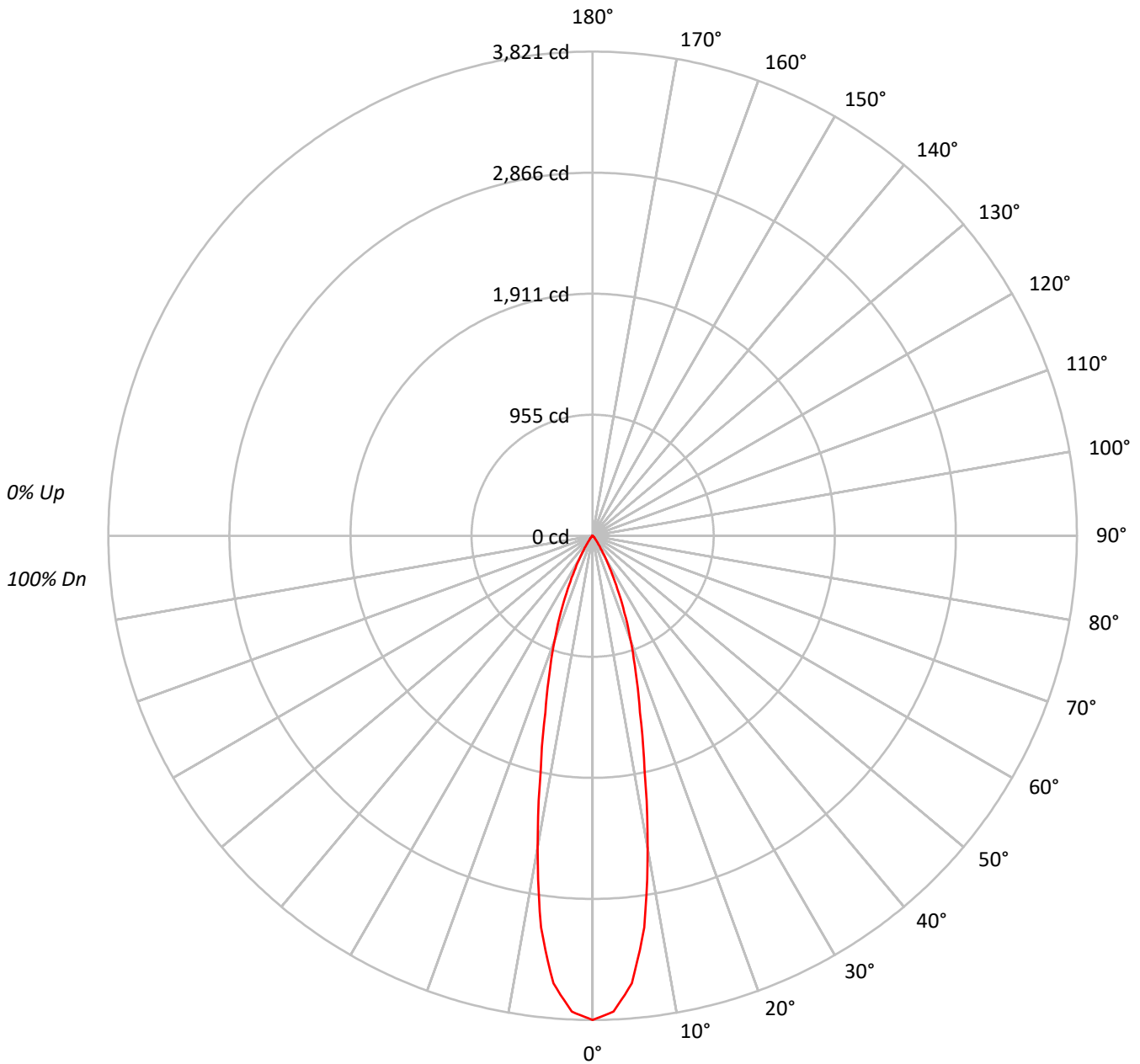
Downlight



TEST NUMBER: P760145

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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 |     |     |     |     |     |     |     |     | 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  | 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 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 1  | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  | 96  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 2  | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 97  | 95  | 94  | 92  | 92  | 92  | 92  | 92  | 92  | 92  | 92  | 92  | 92  | 92  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 3  | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 94  | 92  | 90  | 89  | 89  | 89  | 89  | 89  | 89  | 89  | 89  | 89  | 89  | 89  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 4  | 103 | 97  | 93  | 90  | 102 | 96  | 93  | 90  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85  | 85  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 5  | 100 | 93  | 89  | 86  | 98  | 93  | 89  | 86  | 91  | 87  | 85  | 89  | 86  | 84  | 88  | 85  | 83  | 82  | 82  | 82  | 82  | 82  | 82  | 82  | 82  | 82  | 82  | 82  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 6  | 97  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  | 87  | 83  | 81  | 85  | 83  | 80  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 79  | 79  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 7  | 93  | 87  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 78  | 84  | 80  | 78  | 83  | 80  | 78  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 77  | 77  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 8  | 91  | 84  | 79  | 76  | 90  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 75  | 80  | 77  | 75  | 74  | 74  | 74  | 74  | 74  | 74  | 74  | 74  | 74  | 74  | 74  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 9  | 88  | 81  | 76  | 73  | 87  | 80  | 76  | 73  | 80  | 76  | 73  | 79  | 75  | 73  | 78  | 75  | 73  | 72  | 72  | 72  | 72  | 72  | 72  | 72  | 72  | 72  | 72  | 72  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |
|     | 10 | 85  | 78  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 71  | 76  | 73  | 71  | 76  | 73  | 70  | 69  | 69  | 69  | 69  | 69  | 69  | 69  | 69  | 69  | 69  | 69  |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 417529 |
| 5°  | 388875 |
| 10° | 277388 |
| 15° | 163383 |
| 20° | 101657 |
| 25° | 55793  |
| 30° | 25523  |
| 35° | 9657   |
| 40° | 4379   |
| 45° | 2627   |
| 50° | 1088   |
| 55° | 705    |
| 60° | 481    |
| 65° | 336    |
| 70° | 64     |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2627 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 304.7  | 30.2      |
| 10°-20°   | 412.7  | 41.0      |
| 20°-30°   | 218.4  | 21.7      |
| 30°-40°   | 53.9   | 5.3       |
| 40°-50°   | 13.1   | 1.3       |
| 50°-60°   | 3.4    | 0.3       |
| 60°-70°   | 1.2    | 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°    | 935.9  | 92.9      |
| 0°-40°    | 989.8  | 98.2      |
| 0°-60°    | 1006.3 | 99.9      |
| 0°-90°    | 1007.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1007.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 3821 |      |
| 5°  | 3546 | 305  |
| 15° | 1444 | 413  |
| 25° | 463  | 218  |
| 35° | 72   | 54   |
| 45° | 17   | 13   |
| 55° | 4    | 3    |
| 65° | 1    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 3821.4 |
| 2.5°  | 3758.6 |
| 5°    | 3545.6 |
| 7.5°  | 3117.7 |
| 10°   | 2500.2 |
| 12.5° | 1890.1 |
| 15°   | 1444.4 |
| 17.5° | 1125.7 |
| 20°   | 874.3  |
| 22.5° | 655.7  |
| 25°   | 462.8  |
| 27.5° | 310.3  |
| 30°   | 202.3  |
| 32.5° | 123.0  |
| 35°   | 72.4   |
| 37.5° | 44.3   |
| 40°   | 30.7   |
| 42.5° | 23.4   |
| 45°   | 17.0   |
| 47.5° | 10.3   |
| 50°   | 6.4    |
| 52.5° | 4.6    |
| 55°   | 3.7    |
| 57.5° | 2.9    |
| 60°   | 2.2    |
| 62.5° | 1.8    |
| 65°   | 1.3    |
| 67.5° | 0.5    |
| 70°   | 0.2    |
| 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



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Scaled Data Report



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