

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: P757025

Luminaire Tested: LD6D02D010-EU6DR200210IC9040-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757025  
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: LD6D02D010-EU6DR200210IC9040-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 416.6 lumens  
Efficiency: N/A  
Efficacy: 81.7 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): 5.1  
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



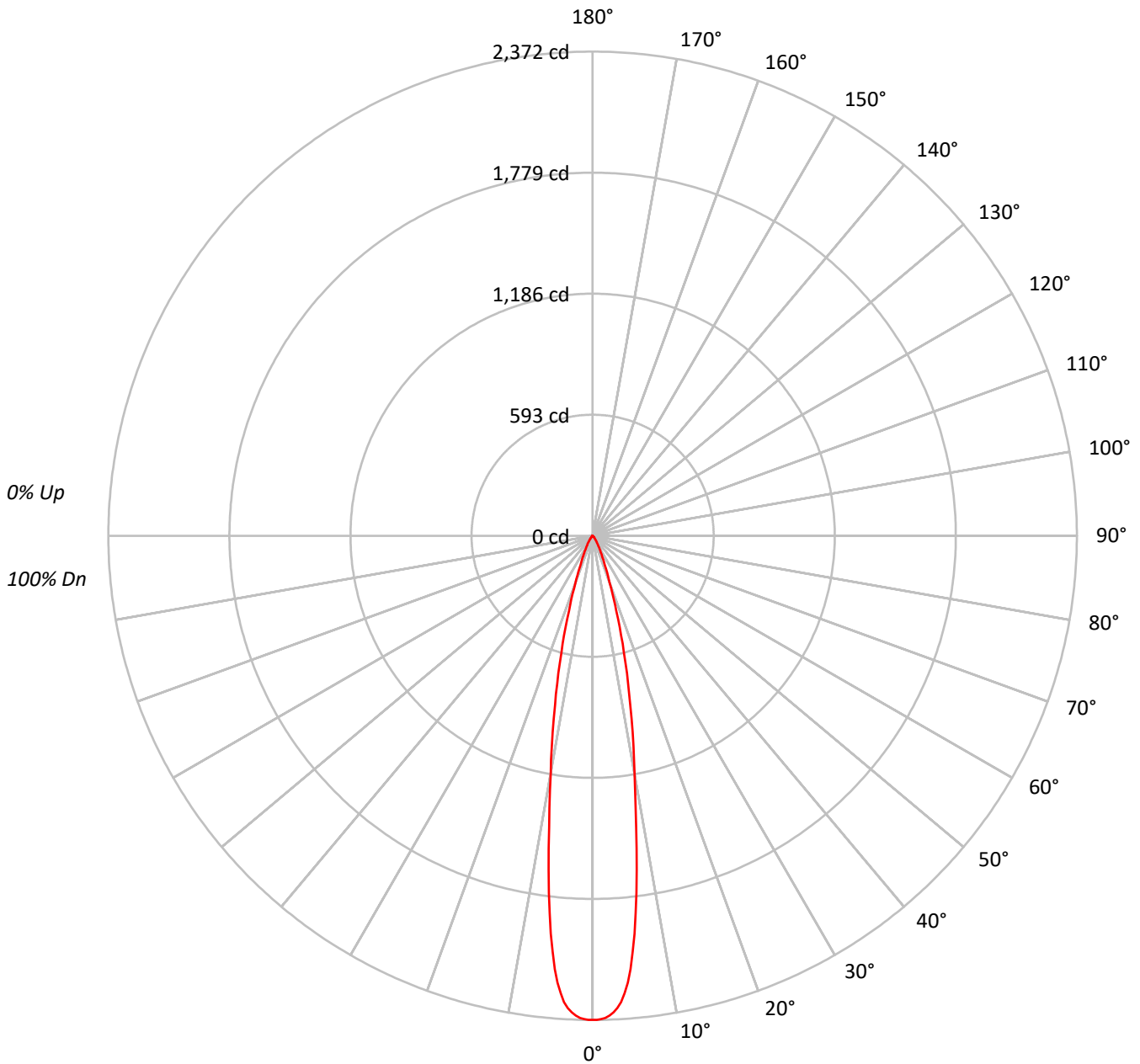
Downlight



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

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 259123 |
| 5°  | 233779 |
| 10° | 131205 |
| 15° | 66693  |
| 20° | 28243  |
| 25° | 13032  |
| 30° | 6901   |
| 35° | 3721   |
| 40° | 1983   |
| 45° | 1174   |
| 50° | 680    |
| 55° | 362    |
| 60° | 240    |
| 65° | 155    |
| 70° | 64     |
| 75° | 0      |
| 80° | 0      |
| 85° | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1174 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 168.9  | 40.5      |
| 10°-20°   | 166.3  | 39.9      |
| 20°-30°   | 54.3   | 13.0      |
| 30°-40°   | 18.5   | 4.4       |
| 40°-50°   | 6.2    | 1.5       |
| 50°-60°   | 1.9    | 0.4       |
| 60°-70°   | 0.6    | 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°    | 389.4  | 93.5      |
| 0°-40°    | 407.9  | 97.9      |
| 0°-60°    | 416.0  | 99.8      |
| 0°-90°    | 416.6  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 416.6  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2372 |      |
| 5°  | 2132 | 169  |
| 15° | 590  | 166  |
| 25° | 108  | 54   |
| 35° | 28   | 18   |
| 45° | 8    | 6    |
| 55° | 2    | 2    |
| 65° | 1    | 1    |
| 75° | 0    | 0    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 2371.6 |
| 0.5°  | 2371.6 |
| 1°    | 2368.7 |
| 1.5°  | 2362.8 |
| 2°    | 2352.0 |
| 2.5°  | 2337.6 |
| 3°    | 2317.3 |
| 3.5°  | 2289.1 |
| 4°    | 2247.0 |
| 4.5°  | 2195.9 |
| 5°    | 2131.5 |
| 5.5°  | 2046.8 |
| 6°    | 1960.0 |
| 6.5°  | 1860.6 |
| 7°    | 1763.2 |
| 7.5°  | 1649.2 |
| 8°    | 1547.4 |
| 8.5°  | 1444.9 |
| 9°    | 1350.3 |
| 9.5°  | 1263.5 |
| 10°   | 1182.6 |
| 12.5° | 849.2  |
| 15°   | 589.6  |
| 17.5° | 385.2  |
| 20°   | 242.9  |
| 22.5° | 157.3  |
| 25°   | 108.1  |
| 27.5° | 76.0   |
| 30°   | 54.7   |
| 32.5° | 39.3   |
| 35°   | 27.9   |
| 37.5° | 19.4   |
| 40°   | 13.9   |
| 42.5° | 10.1   |
| 45°   | 7.6    |
| 47.5° | 5.9    |
| 50°   | 4.0    |
| 52.5° | 2.5    |
| 55°   | 1.9    |
| 57.5° | 1.5    |
| 60°   | 1.1    |
| 62.5° | 0.8    |
| 65°   | 0.6    |



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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



Signify Classified - Internal  
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Scaled Data Report





— 0°-180°

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Scaled Data Report



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Scaled Data Report





|       |  |     |
|-------|--|-----|
| 67.5° |  | 0.4 |
| 70°   |  | 0.2 |

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Scaled Data Report



(END OF REPORT)