

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: P757644

Luminaire Tested: LD6D02D010-EU6DR600210IC9040-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D02D010-EU6DR600210IC9040-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 414.0 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.1  
Input Voltage (V): NR  
Input Current (Ain): 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



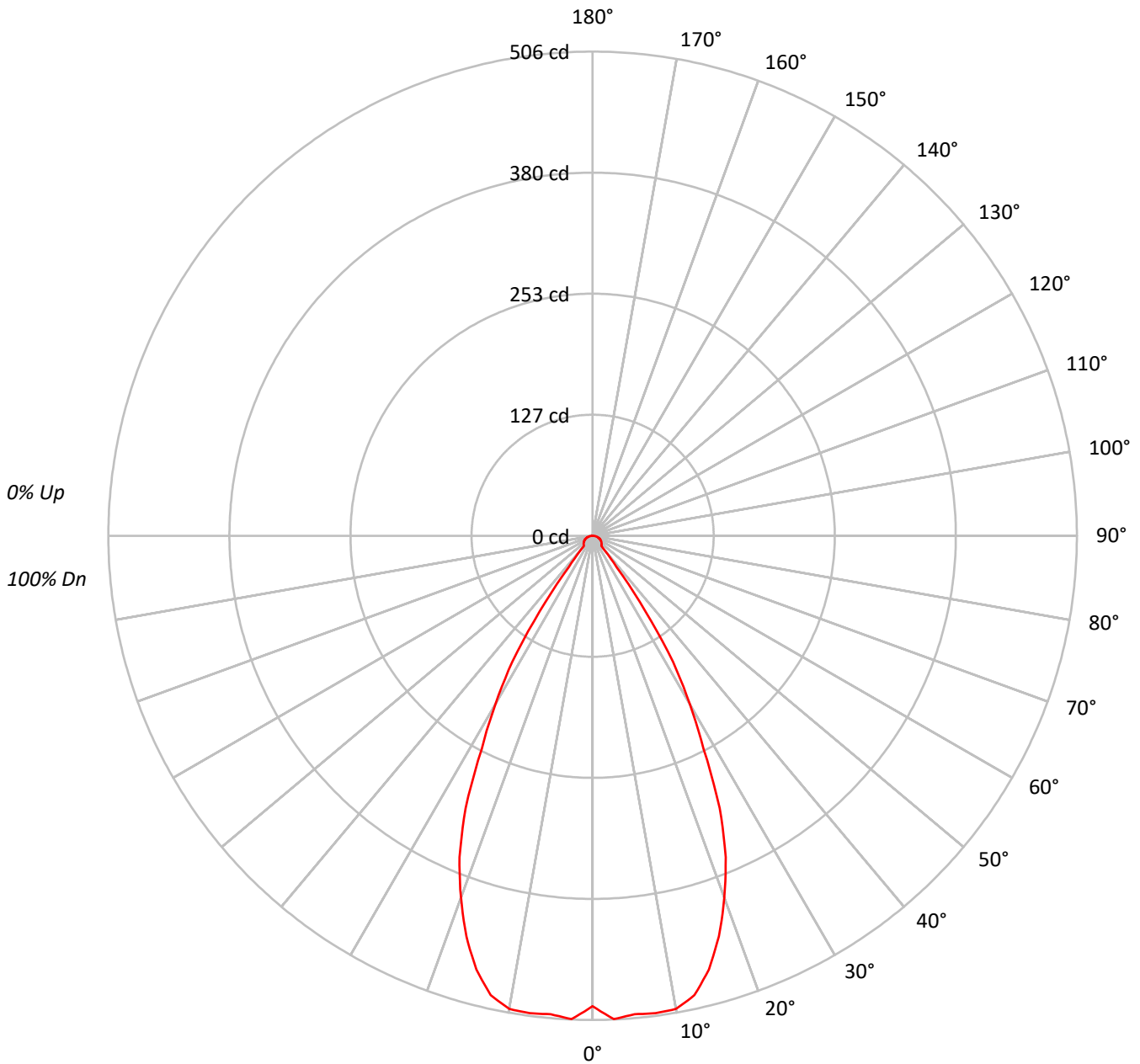
Downlight



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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 |    |    |   |
| 1   | 113 | 110 | 108 | 105 | 111 | 108 | 106 | 104 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 96  | 95  | 93  |    |    |   |
| 2   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 97  | 94  | 92  | 94  | 92  | 90  | 92  | 90  | 88  | 86  |    |    |   |
| 3   | 102 | 96  | 90  | 86  | 100 | 94  | 89  | 86  | 91  | 88  | 84  | 89  | 86  | 83  | 87  | 84  | 82  | 80  |    |    |   |
| 4   | 97  | 89  | 84  | 80  | 95  | 88  | 83  | 79  | 86  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 75  |    |    |   |
| 5   | 92  | 84  | 78  | 74  | 91  | 83  | 78  | 74  | 81  | 77  | 73  | 80  | 76  | 72  | 78  | 75  | 72  | 70  |    |    |   |
| 6   | 88  | 79  | 73  | 69  | 87  | 78  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 68  | 74  | 70  | 67  | 66  |    |    |   |
| 7   | 84  | 75  | 69  | 65  | 83  | 74  | 68  | 64  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 63  | 62  |    |    |   |
| 8   | 80  | 71  | 65  | 61  | 79  | 70  | 65  | 61  | 69  | 64  | 60  | 68  | 64  | 60  | 67  | 63  | 60  | 59  |    |    |   |
| 9   | 77  | 67  | 61  | 57  | 75  | 67  | 61  | 57  | 66  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 57  | 55  |    |    |   |
| 10  | 73  | 64  | 58  | 54  | 72  | 63  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 61  | 57  | 54  | 53  |    |    |   |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 53724 |
| 5°  | 55047 |
| 10° | 55706 |
| 15° | 53074 |
| 20° | 46788 |
| 25° | 37855 |
| 30° | 25599 |
| 35° | 12831 |
| 40° | 2082  |
| 45° | 2040  |
| 50° | 2074  |
| 55° | 2114  |
| 60° | 2163  |
| 65° | 2223  |
| 70° | 2268  |
| 75° | 2280  |
| 80° | 2202  |
| 85° | 1880  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 2280 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 48.0   | 11.6      |
| 10°-20°   | 129.8  | 31.3      |
| 20°-30°   | 139.6  | 33.7      |
| 30°-40°   | 60.7   | 14.7      |
| 40°-50°   | 10.2   | 2.5       |
| 50°-60°   | 9.9    | 2.4       |
| 60°-70°   | 8.5    | 2.0       |
| 70°-80°   | 5.6    | 1.4       |
| 80°-90°   | 1.7    | 0.4       |
| 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°    | 317.4  | 76.7      |
| 0°-40°    | 378.1  | 91.3      |
| 0°-60°    | 398.2  | 96.2      |
| 0°-90°    | 414.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 414.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 492 |      |
| 5°  | 502 | 48   |
| 15° | 469 | 130  |
| 25° | 314 | 140  |
| 35° | 96  | 61   |
| 45° | 13  | 10   |
| 55° | 11  | 10   |
| 65° | 9   | 8    |
| 75° | 5   | 6    |
| 85° | 2   | 2    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 491.7 |
| 2.5°  | 505.6 |
| 5°    | 501.9 |
| 7.5°  | 503.1 |
| 10°   | 502.1 |
| 12.5° | 491.8 |
| 15°   | 469.2 |
| 17.5° | 438.9 |
| 20°   | 402.4 |
| 22.5° | 363.5 |
| 25°   | 314.0 |
| 27.5° | 251.1 |
| 30°   | 202.9 |
| 32.5° | 156.4 |
| 35°   | 96.2  |
| 37.5° | 41.1  |
| 40°   | 14.6  |
| 42.5° | 13.5  |
| 45°   | 13.2  |
| 47.5° | 12.7  |
| 50°   | 12.2  |
| 52.5° | 11.6  |
| 55°   | 11.1  |
| 57.5° | 10.5  |
| 60°   | 9.9   |
| 62.5° | 9.3   |
| 65°   | 8.6   |
| 67.5° | 7.8   |
| 70°   | 7.1   |
| 72.5° | 6.2   |
| 75°   | 5.4   |
| 77.5° | 4.5   |
| 80°   | 3.5   |
| 82.5° | 2.5   |
| 85°   | 1.5   |
| 87.5° | 0.5   |
| 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)