

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: P760229

Luminaire Tested: LD6D10D010-EU6DR300210IC9050-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760229  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D10D010-EU6DR300210IC9050-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 876.0 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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

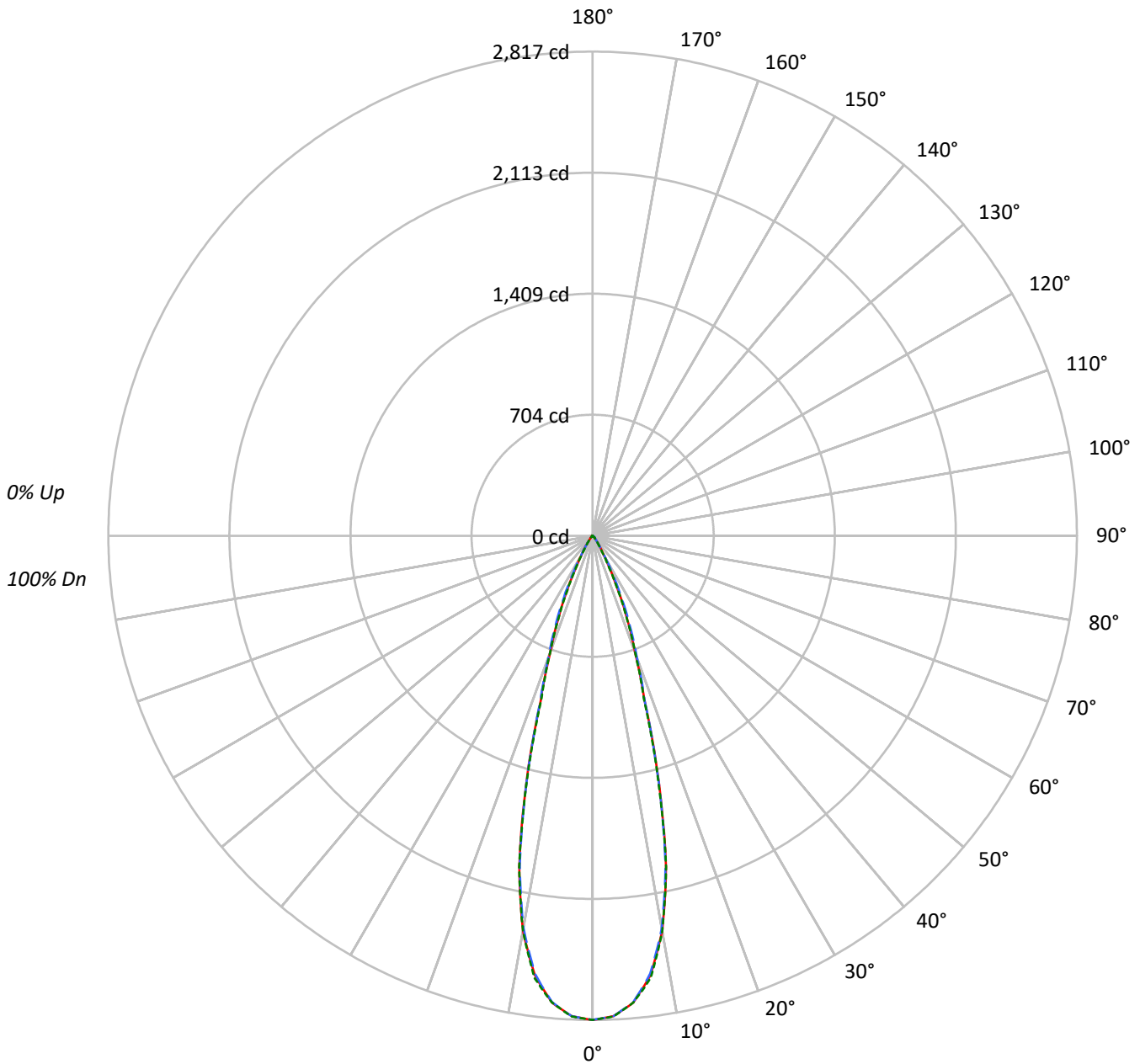


Downlight



TEST NUMBER: P760229  
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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 |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 96  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 97  | 95  | 94  | 92  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 94  | 92  | 90  | 89  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 103 | 98  | 93  | 90  | 102 | 96  | 93  | 90  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 85  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 100 | 94  | 89  | 86  | 98  | 93  | 89  | 86  | 91  | 88  | 85  | 90  | 86  | 84  | 88  | 86  | 83  | 82  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 97  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  | 87  | 83  | 81  | 85  | 83  | 80  | 79  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 94  | 87  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 78  | 84  | 81  | 78  | 83  | 80  | 78  | 77  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 91  | 84  | 79  | 76  | 90  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 75  | 80  | 77  | 75  | 74  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 88  | 81  | 76  | 73  | 87  | 80  | 76  | 73  | 80  | 76  | 73  | 79  | 75  | 73  | 78  | 75  | 73  | 72  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 85  | 78  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 71  | 76  | 73  | 71  | 76  | 73  | 70  | 69  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°     | 45°    | 90°    |
|-----|--------|--------|--------|
| 0°  | 215607 | 215607 | 215607 |
| 5°  | 209416 | 209178 | 209431 |
| 10° | 181385 | 180110 | 181346 |
| 15° | 118350 | 117708 | 117122 |
| 20° | 58844  | 61059  | 58770  |
| 25° | 29644  | 33428  | 29036  |
| 30° | 11870  | 12931  | 10341  |
| 35° | 5504   | 5270   | 4420   |
| 40° | 2378   | 2638   | 2238   |
| 45° | 1678   | 2089   | 1689   |
| 50° | 572    | 1512   | 607    |
| 55° | 334    | 627    | 347    |
| 60° | 230    | 276    | 230    |
| 65° | 145    | 145    | 145    |
| 70° | 90     | 67     | 90     |
| 75° | 0      | 30     | 0      |
| 80° | 0      | 0      | 0      |
| 85° | 0      | 0      | 0      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2089 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 247.7  | 28.3      |
| 10°-20°   | 398.9  | 45.5      |
| 20°-30°   | 172.4  | 19.7      |
| 30°-40°   | 39.3   | 4.5       |
| 40°-50°   | 13.5   | 1.5       |
| 50°-60°   | 3.3    | 0.4       |
| 60°-70°   | 0.9    | 0.1       |
| 70°-80°   | 0.1    | 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°    | 819.0  | 93.5      |
| 0°-40°    | 858.3  | 98.0      |
| 0°-60°    | 875.1  | 99.9      |
| 0°-90°    | 876.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 876.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 22.5° | 45°  | 67.5° | 90°  | Flux |
|-----|------|-------|------|-------|------|------|
| 0°  | 2817 | 2817  | 2817 | 2817  | 2817 |      |
| 5°  | 2726 | 2723  | 2722 | 2728  | 2726 | 248  |
| 15° | 1494 | 1476  | 1485 | 1481  | 1478 | 400  |
| 25° | 351  | 364   | 396  | 355   | 344  | 168  |
| 35° | 59   | 60    | 56   | 56    | 47   | 40   |
| 45° | 16   | 19    | 19   | 19    | 16   | 11   |
| 55° | 2    | 3     | 5    | 3     | 3    | 2    |
| 65° | 1    | 1     | 1    | 1     | 1    | 1    |
| 75° | 0    | 0     | 0    | 0     | 0    | 0    |
| 85° | 0    | 0     | 0    | 0     | 0    | 0    |
| 90° | 0    | 0     | 0    | 0     | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 22.5°  | 45°    | 67.5°  | 90°    |
|-------|--------|--------|--------|--------|--------|
| 0°    | 2816.8 | 2816.8 | 2816.8 | 2816.8 | 2816.8 |
| 2.5°  | 2798.1 | 2796.2 | 2797.3 | 2798.7 | 2799.3 |
| 5°    | 2725.5 | 2722.9 | 2722.4 | 2728.0 | 2725.7 |
| 7.5°  | 2579.1 | 2575.4 | 2569.7 | 2582.5 | 2594.6 |
| 10°   | 2333.7 | 2329.6 | 2317.3 | 2323.4 | 2333.2 |
| 12.5° | 1971.5 | 1958.1 | 1957.9 | 1977.2 | 1974.6 |
| 15°   | 1493.5 | 1475.5 | 1485.4 | 1480.6 | 1478.0 |
| 17.5° | 1004.3 | 997.4  | 1010.7 | 1006.7 | 989.4  |
| 20°   | 722.4  | 724.3  | 749.6  | 736.8  | 721.5  |
| 22.5° | 527.2  | 533.7  | 563.7  | 530.9  | 518.9  |
| 25°   | 351.0  | 364.3  | 395.8  | 355.0  | 343.8  |
| 27.5° | 215.9  | 222.0  | 253.9  | 213.1  | 207.0  |
| 30°   | 134.3  | 131.3  | 146.3  | 125.6  | 117.0  |
| 32.5° | 88.1   | 84.2   | 89.0   | 79.9   | 73.0   |
| 35°   | 58.9   | 60.2   | 56.4   | 56.0   | 47.3   |
| 37.5° | 36.8   | 42.3   | 37.4   | 39.8   | 30.4   |
| 40°   | 23.8   | 30.7   | 26.4   | 29.2   | 22.4   |
| 42.5° | 19.5   | 23.7   | 21.7   | 23.1   | 19.9   |
| 45°   | 15.5   | 19.3   | 19.3   | 19.3   | 15.6   |
| 47.5° | 8.6    | 12.8   | 16.4   | 13.1   | 9.1    |
| 50°   | 4.8    | 6.5    | 12.7   | 6.8    | 5.1    |
| 52.5° | 3.3    | 3.7    | 8.7    | 3.9    | 3.4    |
| 55°   | 2.5    | 2.6    | 4.7    | 2.8    | 2.6    |
| 57.5° | 1.9    | 2.1    | 2.5    | 2.1    | 1.9    |
| 60°   | 1.5    | 1.5    | 1.8    | 1.7    | 1.5    |
| 62.5° | 1.1    | 1.1    | 1.3    | 1.1    | 1.1    |
| 65°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    |
| 67.5° | 0.4    | 0.6    | 0.6    | 0.6    | 0.6    |
| 70°   | 0.4    | 0.3    | 0.3    | 0.3    | 0.4    |
| 72.5° | 0.3    | 0.1    | 0.1    | 0.1    | 0.1    |
| 75°   | 0.0    | 0.0    | 0.1    | 0.0    | 0.0    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 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°    - - 45°-225°    - - - - 90°-270°

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Scaled Data Report



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