

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: P762875

Luminaire Tested: LD6D25D010-EU6DR1515309027-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762875  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D25D010-EU6DR1515309027-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2591.9 lumens  
Efficiency: N/A  
Efficacy: 103.3 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 25.1  
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

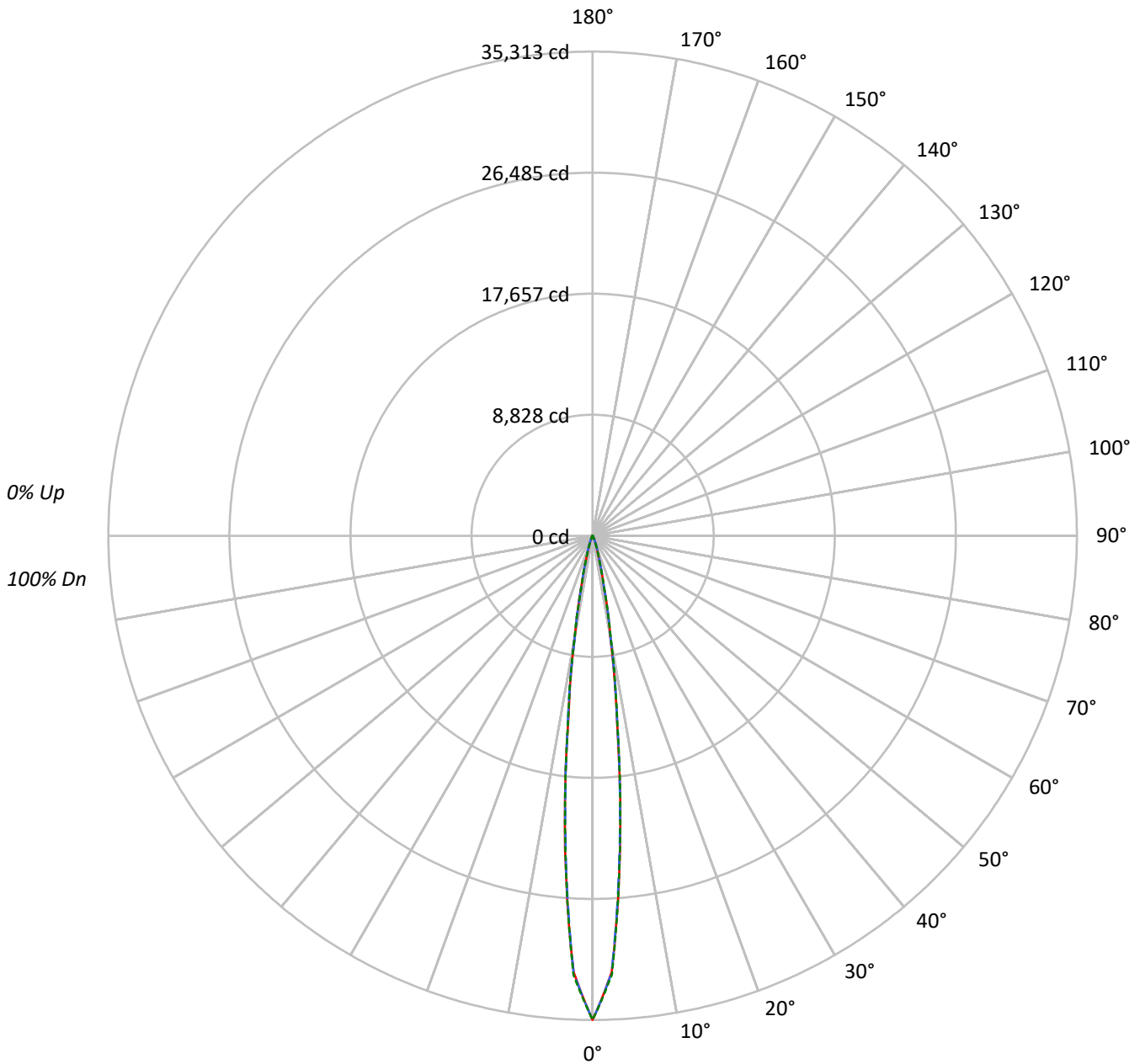


Downlight



TEST NUMBER: P762875  
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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 | 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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 103 | 101 | 100 | 100 | 98  |    |    |    |    |    | 98  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 102 | 102 | 101 | 100 | 100 | 98  | 98  | 96  |    |    |    |    |    | 96  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 110 | 106 | 103 | 101 | 108 | 105 | 102 | 100 | 103 | 100 | 99  | 100 | 99  | 97  | 98  | 97  | 96  | 94  |    |    |    |    |    | 94  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 108 | 103 | 100 | 98  | 106 | 102 | 99  | 97  | 100 | 98  | 96  | 99  | 97  | 95  | 97  | 95  | 94  | 93  |    |    |    |    |    | 93  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 106 | 101 | 98  | 95  | 104 | 100 | 97  | 95  | 98  | 96  | 94  | 97  | 95  | 93  | 96  | 94  | 92  | 92  |    |    |    |    |    | 92  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 104 | 99  | 95  | 93  | 102 | 98  | 95  | 93  | 97  | 94  | 92  | 96  | 93  | 92  | 95  | 93  | 91  | 90  |    |    |    |    |    | 90  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 102 | 97  | 94  | 91  | 101 | 96  | 93  | 91  | 95  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 89  |    |    |    |    |    | 89  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 100 | 95  | 92  | 90  | 99  | 95  | 92  | 90  | 94  | 91  | 89  | 93  | 91  | 89  | 92  | 90  | 89  | 88  |    |    |    |    |    | 88  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 90  | 88  | 92  | 89  | 88  | 91  | 89  | 88  | 87  |    |    |    |    |    | 87  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 97  | 92  | 89  | 87  | 96  | 92  | 89  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 90  | 88  | 86  | 86  |    |    |    |    |    | 86  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 3973439 | 3973439 | 3973439 |
| 5°  | 2334985 | 2304750 | 2322983 |
| 10° | 696886  | 701766  | 712506  |
| 15° | 173340  | 176719  | 171264  |
| 20° | 51859   | 60058   | 52964   |
| 25° | 18283   | 23292   | 18517   |
| 30° | 6717    | 8843    | 6829    |
| 35° | 3362    | 3798    | 3253    |
| 40° | 2123    | 2336    | 2123    |
| 45° | 1568    | 1673    | 1568    |
| 50° | 1245    | 1245    | 1245    |
| 55° | 1037    | 1037    | 1037    |
| 60° | 843     | 843     | 843     |
| 65° | 642     | 642     | 642     |
| 70° | 549     | 549     | 549     |
| 75° | 340     | 340     | 454     |
| 80° | 236     | 236     | 236     |
| 85° | 125     | 125     | 125     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1673 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1681.0 | 64.9      |
| 10°-20°   | 691.4  | 26.7      |
| 20°-30°   | 137.3  | 5.3       |
| 30°-40°   | 34.3   | 1.3       |
| 40°-50°   | 18.0   | 0.7       |
| 50°-60°   | 13.4   | 0.5       |
| 60°-70°   | 9.5    | 0.4       |
| 70°-80°   | 5.4    | 0.2       |
| 80°-90°   | 1.6    | 0.1       |
| 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°    | 2509.7 | 96.8      |
| 0°-40°    | 2544.0 | 98.2      |
| 0°-60°    | 2575.4 | 99.4      |
| 0°-90°    | 2591.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2591.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 35313 | 35313 | 35313 | 35313 | 35313 |      |
| 5°  | 22976 | 22739 | 22678 | 22835 | 22858 | 1678 |
| 15° | 1996  | 2033  | 2035  | 1999  | 1972  | 684  |
| 25° | 235   | 266   | 299   | 265   | 238   | 123  |
| 35° | 46    | 49    | 52    | 49    | 45    | 31   |
| 45° | 22    | 22    | 24    | 22    | 22    | 18   |
| 55° | 15    | 15    | 15    | 15    | 15    | 13   |
| 65° | 9     | 9     | 9     | 9     | 9     | 9    |
| 75° | 4     | 4     | 4     | 4     | 6     | 5    |
| 85° | 2     | 2     | 2     | 2     | 2     | 2    |
| 90° | 0     | 0     | 0     | 0     | 0     |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 35313.2 | 35313.2 | 35313.2 | 35313.2 | 35313.2 |
| 2.5°  | 31854.0 | 31880.9 | 31891.3 | 31922.7 | 32039.3 |
| 5°    | 22975.6 | 22739.4 | 22678.1 | 22835.0 | 22857.5 |
| 7.5°  | 13609.8 | 13657.7 | 13832.6 | 13871.4 | 13730.9 |
| 10°   | 7468.7  | 7530.0  | 7521.0  | 7574.8  | 7636.1  |
| 12.5° | 3819.5  | 3771.7  | 3756.8  | 3818.0  | 3732.8  |
| 15°   | 1995.7  | 2033.1  | 2034.6  | 1998.7  | 1971.8  |
| 17.5° | 1073.4  | 1116.7  | 1188.5  | 1130.2  | 1040.5  |
| 20°   | 633.8   | 672.7   | 734.0   | 686.2   | 647.3   |
| 22.5° | 391.7   | 423.1   | 466.4   | 429.0   | 397.7   |
| 25°   | 234.7   | 266.1   | 299.0   | 264.6   | 237.7   |
| 27.5° | 139.0   | 165.9   | 186.9   | 164.4   | 137.5   |
| 30°   | 89.7    | 104.6   | 118.1   | 103.2   | 91.2    |
| 32.5° | 62.8    | 68.8    | 74.7    | 68.8    | 62.8    |
| 35°   | 46.3    | 49.3    | 52.3    | 49.3    | 44.8    |
| 37.5° | 35.9    | 38.9    | 40.4    | 37.4    | 34.4    |
| 40°   | 29.9    | 31.4    | 32.9    | 31.4    | 29.9    |
| 42.5° | 25.4    | 26.9    | 26.9    | 26.9    | 25.4    |
| 45°   | 22.4    | 22.4    | 23.9    | 22.4    | 22.4    |
| 47.5° | 19.4    | 19.4    | 20.9    | 19.4    | 19.4    |
| 50°   | 17.9    | 17.9    | 17.9    | 17.9    | 17.9    |
| 52.5° | 16.4    | 16.4    | 16.4    | 16.4    | 16.4    |
| 55°   | 14.9    | 14.9    | 14.9    | 14.9    | 14.9    |
| 57.5° | 13.5    | 13.5    | 13.5    | 13.5    | 13.5    |
| 60°   | 12.0    | 12.0    | 12.0    | 12.0    | 12.0    |
| 62.5° | 10.5    | 10.5    | 10.5    | 10.5    | 10.5    |
| 65°   | 9.0     | 9.0     | 9.0     | 9.0     | 9.0     |
| 67.5° | 9.0     | 9.0     | 9.0     | 9.0     | 9.0     |
| 70°   | 7.5     | 7.5     | 7.5     | 7.5     | 7.5     |
| 72.5° | 6.0     | 6.0     | 6.0     | 6.0     | 6.0     |
| 75°   | 4.5     | 4.5     | 4.5     | 4.5     | 6.0     |
| 77.5° | 4.5     | 4.5     | 4.5     | 4.5     | 4.5     |
| 80°   | 3.0     | 3.0     | 3.0     | 3.0     | 3.0     |
| 82.5° | 3.0     | 3.0     | 3.0     | 3.0     | 3.0     |
| 85°   | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     |
| 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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