

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: P762928

Luminaire Tested: LD6D25D010-EU6DR1515309050-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762928  
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-EU6DR1515309050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3070.1 lumens  
Efficiency: N/A  
Efficacy: 122.3 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 (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

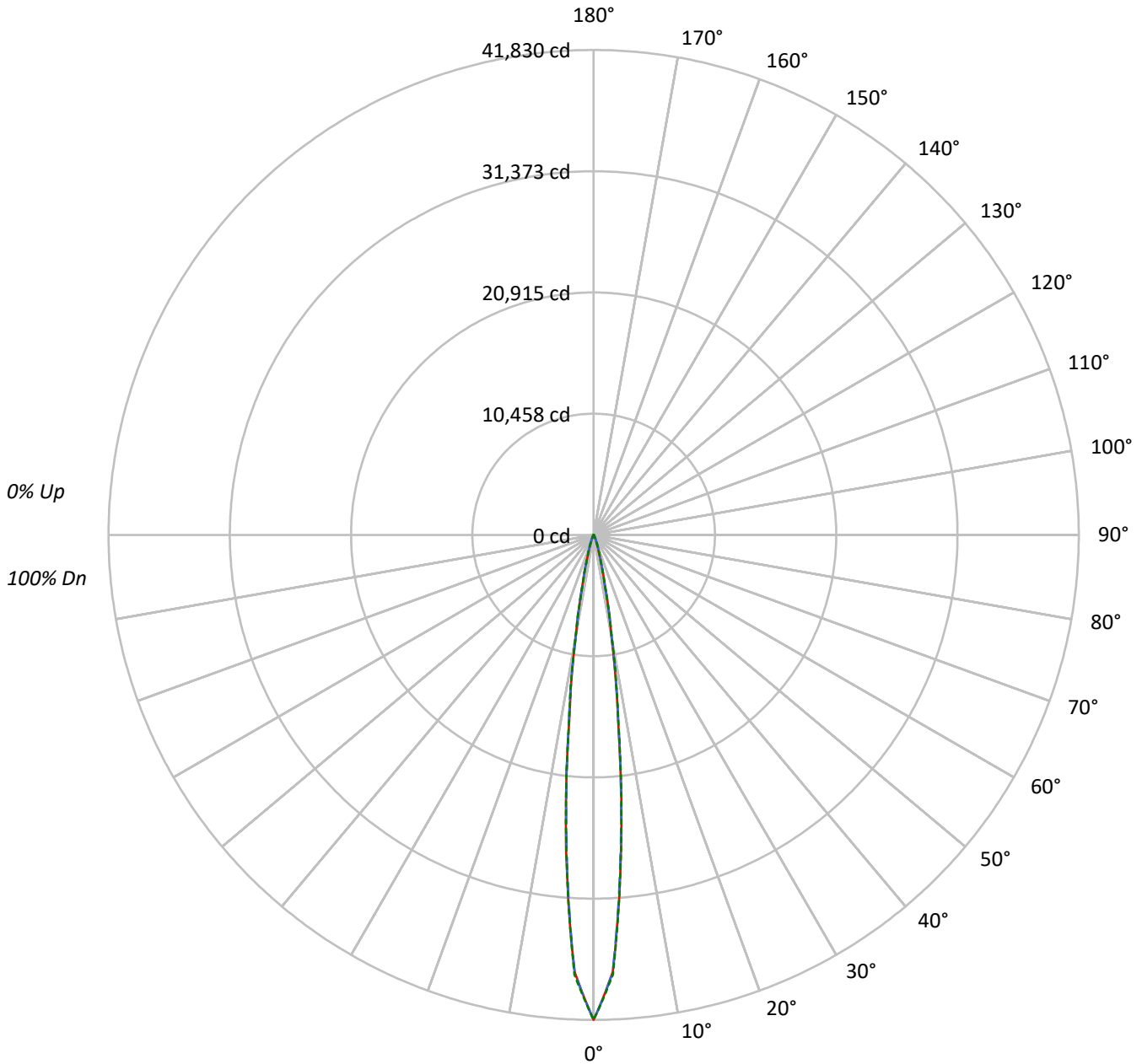


Downlight



TEST NUMBER: P762928  
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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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 | 104 | 103 | 103 | 101 | 100 | 100 | 98  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 102 | 102 | 101 | 100 | 100 | 98  | 98  | 96  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 110 | 106 | 103 | 101 | 108 | 105 | 102 | 100 | 103 | 100 | 99  | 100 | 99  | 97  | 98  | 97  | 96  | 94  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 108 | 103 | 100 | 98  | 106 | 102 | 99  | 97  | 100 | 98  | 96  | 99  | 97  | 95  | 97  | 95  | 94  | 93  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 106 | 101 | 98  | 95  | 104 | 100 | 97  | 95  | 98  | 96  | 94  | 97  | 95  | 93  | 96  | 94  | 92  | 92  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 104 | 99  | 95  | 93  | 102 | 98  | 95  | 93  | 97  | 94  | 92  | 96  | 93  | 92  | 95  | 93  | 91  | 90  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 102 | 97  | 94  | 91  | 101 | 96  | 93  | 91  | 95  | 93  | 91  | 94  | 92  | 90  | 93  | 91  | 90  | 89  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 100 | 95  | 92  | 90  | 99  | 95  | 92  | 90  | 94  | 91  | 89  | 93  | 91  | 89  | 92  | 90  | 89  | 88  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 90  | 88  | 92  | 89  | 88  | 91  | 89  | 88  | 87  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 97  | 92  | 89  | 87  | 96  | 92  | 89  | 87  | 91  | 89  | 87  | 91  | 88  | 87  | 90  | 88  | 86  | 86  |    |    |   |  |  |  |  |  |  |    |  |  |  |  |  |  |  |  |   |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 4706721 | 4706721 | 4706721 |
| 5°  | 2765892 | 2730078 | 2751674 |
| 10° | 825492  | 831268  | 843995  |
| 15° | 205330  | 209334  | 202872  |
| 20° | 61433   | 71145   | 62742   |
| 25° | 21656   | 27592   | 21937   |
| 30° | 7952    | 10476   | 8087    |
| 35° | 3987    | 4502    | 3856    |
| 40° | 2514    | 2770    | 2514    |
| 45° | 1862    | 1981    | 1862    |
| 50° | 1474    | 1474    | 1474    |
| 55° | 1232    | 1232    | 1232    |
| 60° | 997     | 997     | 997     |
| 65° | 757     | 757     | 757     |
| 70° | 651     | 651     | 651     |
| 75° | 401     | 401     | 537     |
| 80° | 276     | 276     | 276     |
| 85° | 149     | 149     | 149     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1981 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1991.2 | 64.9      |
| 10°-20°   | 819.0  | 26.7      |
| 20°-30°   | 162.7  | 5.3       |
| 30°-40°   | 40.6   | 1.3       |
| 40°-50°   | 21.3   | 0.7       |
| 50°-60°   | 15.8   | 0.5       |
| 60°-70°   | 11.2   | 0.4       |
| 70°-80°   | 6.4    | 0.2       |
| 80°-90°   | 1.9    | 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°    | 2972.9 | 96.8      |
| 0°-40°    | 3013.5 | 98.2      |
| 0°-60°    | 3050.7 | 99.4      |
| 0°-90°    | 3070.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3070.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 41830 | 41830 | 41830 | 41830 | 41830 |      |
| 5°  | 27216 | 26936 | 26863 | 27049 | 27076 | 1987 |
| 15° | 2364  | 2408  | 2410  | 2368  | 2336  | 811  |
| 25° | 278   | 315   | 354   | 313   | 282   | 146  |
| 35° | 55    | 58    | 62    | 58    | 53    | 37   |
| 45° | 27    | 27    | 28    | 27    | 27    | 21   |
| 55° | 18    | 18    | 18    | 18    | 18    | 16   |
| 65° | 11    | 11    | 11    | 11    | 11    | 11   |
| 75° | 5     | 5     | 5     | 5     | 7     | 6    |
| 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°    | 41830.1 | 41830.1 | 41830.1 | 41830.1 | 41830.1 |
| 2.5°  | 37732.4 | 37764.3 | 37776.7 | 37813.9 | 37952.0 |
| 5°    | 27215.6 | 26935.8 | 26863.2 | 27049.1 | 27075.7 |
| 7.5°  | 16121.5 | 16178.1 | 16385.3 | 16431.4 | 16264.9 |
| 10°   | 8847.0  | 8919.6  | 8908.9  | 8972.7  | 9045.3  |
| 12.5° | 4524.4  | 4467.8  | 4450.0  | 4522.7  | 4421.7  |
| 15°   | 2364.0  | 2408.3  | 2410.1  | 2367.6  | 2335.7  |
| 17.5° | 1271.4  | 1322.8  | 1407.8  | 1338.7  | 1232.5  |
| 20°   | 750.8   | 796.9   | 869.5   | 812.8   | 766.8   |
| 22.5° | 464.0   | 501.1   | 552.5   | 508.2   | 471.0   |
| 25°   | 278.0   | 315.2   | 354.2   | 313.4   | 281.6   |
| 27.5° | 164.7   | 196.6   | 221.4   | 194.8   | 162.9   |
| 30°   | 106.2   | 124.0   | 139.9   | 122.2   | 108.0   |
| 32.5° | 74.4    | 81.5    | 88.5    | 81.5    | 74.4    |
| 35°   | 54.9    | 58.4    | 62.0    | 58.4    | 53.1    |
| 37.5° | 42.5    | 46.0    | 47.8    | 44.3    | 40.7    |
| 40°   | 35.4    | 37.2    | 39.0    | 37.2    | 35.4    |
| 42.5° | 30.1    | 31.9    | 31.9    | 31.9    | 30.1    |
| 45°   | 26.6    | 26.6    | 28.3    | 26.6    | 26.6    |
| 47.5° | 23.0    | 23.0    | 24.8    | 23.0    | 23.0    |
| 50°   | 21.2    | 21.2    | 21.2    | 21.2    | 21.2    |
| 52.5° | 19.5    | 19.5    | 19.5    | 19.5    | 19.5    |
| 55°   | 17.7    | 17.7    | 17.7    | 17.7    | 17.7    |
| 57.5° | 15.9    | 15.9    | 15.9    | 15.9    | 15.9    |
| 60°   | 14.2    | 14.2    | 14.2    | 14.2    | 14.2    |
| 62.5° | 12.4    | 12.4    | 12.4    | 12.4    | 12.4    |
| 65°   | 10.6    | 10.6    | 10.6    | 10.6    | 10.6    |
| 67.5° | 10.6    | 10.6    | 10.6    | 10.6    | 10.6    |
| 70°   | 8.9     | 8.9     | 8.9     | 8.9     | 8.9     |
| 72.5° | 7.1     | 7.1     | 7.1     | 7.1     | 7.1     |
| 75°   | 5.3     | 5.3     | 5.3     | 5.3     | 7.1     |
| 77.5° | 5.3     | 5.3     | 5.3     | 5.3     | 5.3     |
| 80°   | 3.5     | 3.5     | 3.5     | 3.5     | 3.5     |
| 82.5° | 3.5     | 3.5     | 3.5     | 3.5     | 3.5     |
| 85°   | 1.8     | 1.8     | 1.8     | 1.8     | 1.8     |
| 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



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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Scaled Data Report



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