

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: P790624

Luminaire Tested: LER6D25D010-EC6DR1515309030-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790624  
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: LER6D25D010-EC6DR1515309030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2863.8 lumens  
Efficiency: N/A  
Efficacy: 114.1 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

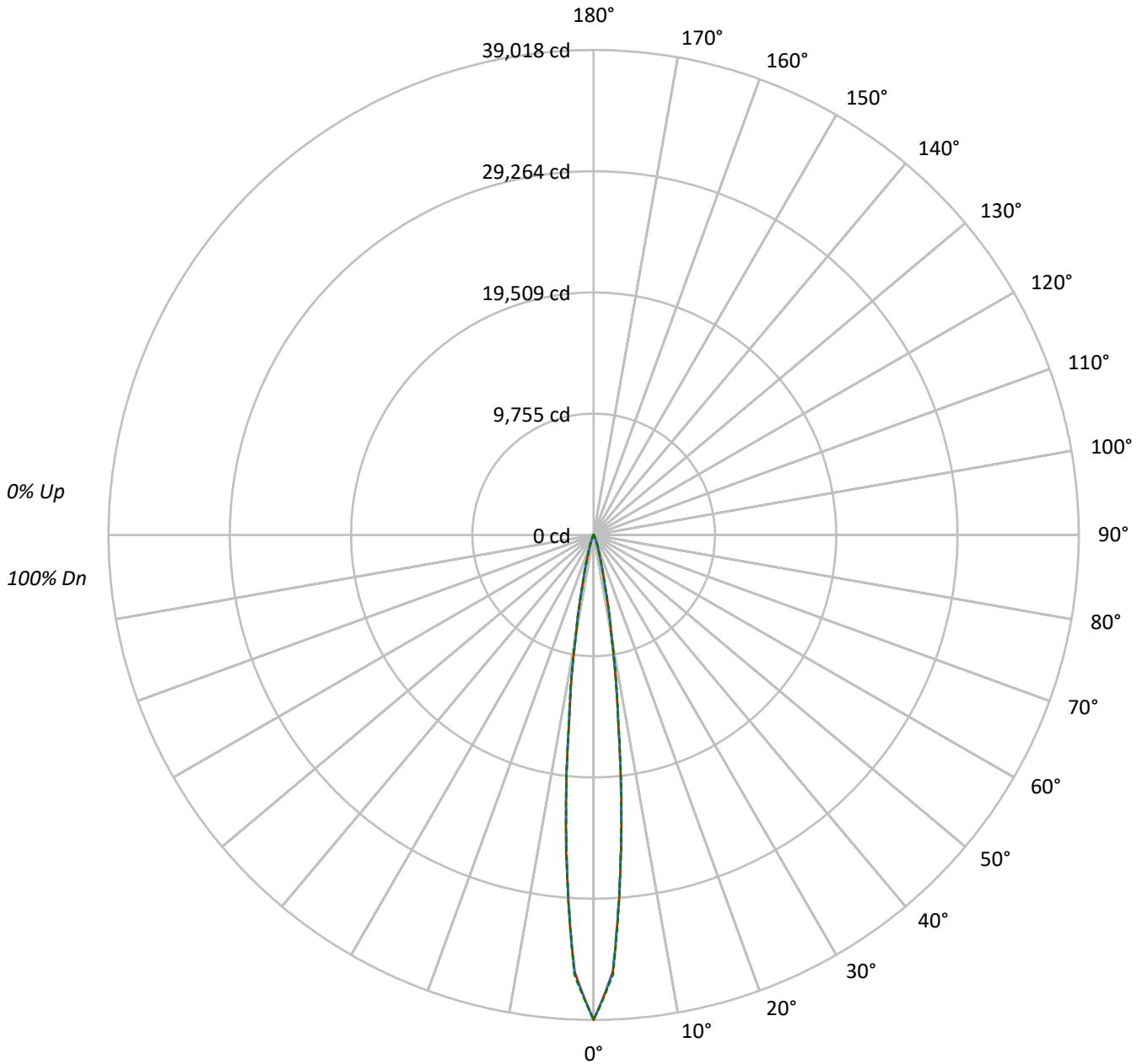


Downlight

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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  | 87  | 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°  | 4390303 | 4390303 | 4390303 |
| 5°  | 2579951 | 2546546 | 2566689 |
| 10° | 769993  | 775386  | 787255  |
| 15° | 191528  | 195263  | 189235  |
| 20° | 57301   | 66358   | 58520   |
| 25° | 20200   | 25738   | 20457   |
| 30° | 7421    | 9772    | 7548    |
| 35° | 3718    | 4197    | 3602    |
| 40° | 2343    | 2578    | 2343    |
| 45° | 1736    | 1848    | 1736    |
| 50° | 1377    | 1377    | 1377    |
| 55° | 1148    | 1148    | 1148    |
| 60° | 927     | 927     | 927     |
| 65° | 707     | 707     | 707     |
| 70° | 607     | 607     | 607     |
| 75° | 378     | 378     | 499     |
| 80° | 260     | 260     | 260     |
| 85° | 141     | 141     | 141     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1848 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1857.3 | 64.9      |
| 10°-20°   | 764.0  | 26.7      |
| 20°-30°   | 151.7  | 5.3       |
| 30°-40°   | 37.9   | 1.3       |
| 40°-50°   | 19.9   | 0.7       |
| 50°-60°   | 14.8   | 0.5       |
| 60°-70°   | 10.4   | 0.4       |
| 70°-80°   | 6.0    | 0.2       |
| 80°-90°   | 1.8    | 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°    | 2773.1 | 96.8      |
| 0°-40°    | 2810.9 | 98.2      |
| 0°-60°    | 2845.6 | 99.4      |
| 0°-90°    | 2863.8 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2863.8 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 39018 | 39018 | 39018 | 39018 | 39018 |      |
| 5°  | 25386 | 25125 | 25057 | 25231 | 25256 | 1854 |
| 15° | 2205  | 2246  | 2248  | 2208  | 2179  | 756  |
| 25° | 259   | 294   | 330   | 292   | 263   | 136  |
| 35° | 51    | 54    | 58    | 54    | 50    | 35   |
| 45° | 25    | 25    | 26    | 25    | 25    | 19   |
| 55° | 16    | 16    | 16    | 16    | 16    | 15   |
| 65° | 10    | 10    | 10    | 10    | 10    | 10   |
| 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°    | 39018.0 | 39018.0 | 39018.0 | 39018.0 | 39018.0 |
| 2.5°  | 35195.8 | 35225.5 | 35237.1 | 35271.8 | 35400.6 |
| 5°    | 25386.0 | 25125.0 | 25057.3 | 25230.7 | 25255.5 |
| 7.5°  | 15037.7 | 15090.5 | 15283.8 | 15326.7 | 15171.5 |
| 10°   | 8252.2  | 8319.9  | 8310.0  | 8369.5  | 8437.2  |
| 12.5° | 4220.3  | 4167.4  | 4150.9  | 4218.6  | 4124.5  |
| 15°   | 2205.1  | 2246.4  | 2248.1  | 2208.4  | 2178.7  |
| 17.5° | 1186.0  | 1233.9  | 1313.2  | 1248.7  | 1149.6  |
| 20°   | 700.3   | 743.3   | 811.0   | 758.2   | 715.2   |
| 22.5° | 432.8   | 467.4   | 515.4   | 474.1   | 439.4   |
| 25°   | 259.3   | 294.0   | 330.4   | 292.4   | 262.6   |
| 27.5° | 153.6   | 183.3   | 206.5   | 181.7   | 152.0   |
| 30°   | 99.1    | 115.6   | 130.5   | 114.0   | 100.8   |
| 32.5° | 69.4    | 76.0    | 82.6    | 76.0    | 69.4    |
| 35°   | 51.2    | 54.5    | 57.8    | 54.5    | 49.6    |
| 37.5° | 39.6    | 42.9    | 44.6    | 41.3    | 38.0    |
| 40°   | 33.0    | 34.7    | 36.3    | 34.7    | 33.0    |
| 42.5° | 28.1    | 29.7    | 29.7    | 29.7    | 28.1    |
| 45°   | 24.8    | 24.8    | 26.4    | 24.8    | 24.8    |
| 47.5° | 21.5    | 21.5    | 23.1    | 21.5    | 21.5    |
| 50°   | 19.8    | 19.8    | 19.8    | 19.8    | 19.8    |
| 52.5° | 18.2    | 18.2    | 18.2    | 18.2    | 18.2    |
| 55°   | 16.5    | 16.5    | 16.5    | 16.5    | 16.5    |
| 57.5° | 14.9    | 14.9    | 14.9    | 14.9    | 14.9    |
| 60°   | 13.2    | 13.2    | 13.2    | 13.2    | 13.2    |
| 62.5° | 11.6    | 11.6    | 11.6    | 11.6    | 11.6    |
| 65°   | 9.9     | 9.9     | 9.9     | 9.9     | 9.9     |
| 67.5° | 9.9     | 9.9     | 9.9     | 9.9     | 9.9     |
| 70°   | 8.3     | 8.3     | 8.3     | 8.3     | 8.3     |
| 72.5° | 6.6     | 6.6     | 6.6     | 6.6     | 6.6     |
| 75°   | 5.0     | 5.0     | 5.0     | 5.0     | 6.6     |
| 77.5° | 5.0     | 5.0     | 5.0     | 5.0     | 5.0     |
| 80°   | 3.3     | 3.3     | 3.3     | 3.3     | 3.3     |
| 82.5° | 3.3     | 3.3     | 3.3     | 3.3     | 3.3     |
| 85°   | 1.7     | 1.7     | 1.7     | 1.7     | 1.7     |
| 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  
Cooper Lighting Solutions Photometric Lab  
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Scaled Data Report







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

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Scaled Data Report



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