

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: P767932

Luminaire Tested: LD6D55D010-EU6DR3055659024-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767932  
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: LD6D55D010-EU6DR3055659024-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4386.4 lumens  
Efficiency: N/A  
Efficacy: 75.4 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): 58.2  
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

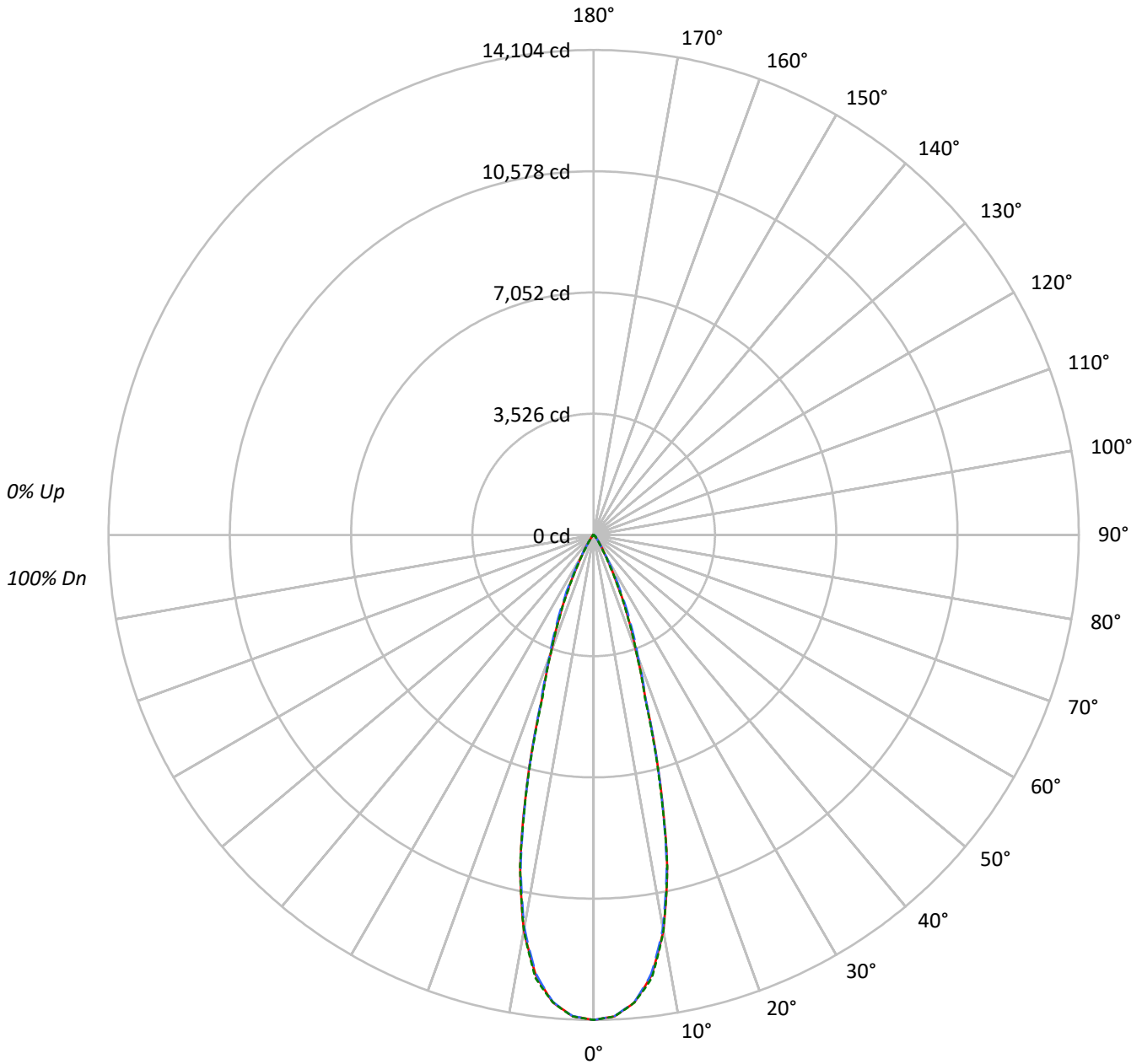


Downlight

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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   | 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°  | 1079606 | 1079606 | 1079606 |
| 5°  | 1048616 | 1047387 | 1048670 |
| 10° | 908262  | 901857  | 908044  |
| 15° | 592591  | 589414  | 586450  |
| 20° | 294666  | 305728  | 294275  |
| 25° | 148432  | 167384  | 145392  |
| 30° | 59430   | 64751   | 51776   |
| 35° | 27565   | 26397   | 22127   |
| 40° | 11901   | 13219   | 11211   |
| 45° | 8400    | 10424   | 8476    |
| 50° | 2882    | 7585    | 3048    |
| 55° | 1668    | 3136    | 1762    |
| 60° | 1163    | 1378    | 1163    |
| 65° | 761     | 761     | 761     |
| 70° | 470     | 313     | 470     |
| 75° | 0       | 207     | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 10424 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1240.3 | 28.3      |
| 10°-20°   | 1997.5 | 45.5      |
| 20°-30°   | 863.2  | 19.7      |
| 30°-40°   | 196.7  | 4.5       |
| 40°-50°   | 67.5   | 1.5       |
| 50°-60°   | 16.5   | 0.4       |
| 60°-70°   | 4.3    | 0.1       |
| 70°-80°   | 0.5    | 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°    | 4100.9 | 93.5      |
| 0°-40°    | 4297.6 | 98.0      |
| 0°-60°    | 4381.7 | 99.9      |
| 0°-90°    | 4386.4 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4386.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 14104 | 14104 | 14104 | 14104 | 14104 |      |
| 5°  | 13648 | 13634 | 13632 | 13660 | 13648 | 1241 |
| 15° | 7478  | 7388  | 7438  | 7414  | 7401  | 2002 |
| 25° | 1758  | 1824  | 1982  | 1778  | 1722  | 841  |
| 35° | 295   | 301   | 282   | 280   | 237   | 200  |
| 45° | 78    | 96    | 96    | 96    | 78    | 55   |
| 55° | 12    | 13    | 24    | 14    | 13    | 12   |
| 65° | 4     | 4     | 4     | 4     | 4     | 4    |
| 75° | 0     | 0     | 1     | 0     | 0     | 1    |
| 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°    | 14104.5 | 14104.5 | 14104.5 | 14104.5 | 14104.5 |
| 2.5°  | 14011.0 | 14001.3 | 14006.9 | 14013.8 | 14016.6 |
| 5°    | 13647.5 | 13634.3 | 13631.5 | 13659.9 | 13648.2 |
| 7.5°  | 12914.1 | 12895.4 | 12867.0 | 12931.4 | 12991.7 |
| 10°   | 11685.7 | 11664.9 | 11603.3 | 11633.7 | 11682.9 |
| 12.5° | 9872.0  | 9804.9  | 9803.5  | 9900.4  | 9887.3  |
| 15°   | 7478.1  | 7388.1  | 7438.0  | 7413.7  | 7400.6  |
| 17.5° | 5028.8  | 4994.2  | 5060.7  | 5040.6  | 4954.0  |
| 20°   | 3617.5  | 3626.5  | 3753.3  | 3689.6  | 3612.7  |
| 22.5° | 2639.7  | 2672.3  | 2822.6  | 2658.4  | 2598.2  |
| 25°   | 1757.5  | 1824.0  | 1981.9  | 1777.6  | 1721.5  |
| 27.5° | 1081.0  | 1111.4  | 1271.4  | 1067.1  | 1036.6  |
| 30°   | 672.4   | 657.2   | 732.6   | 628.8   | 585.8   |
| 32.5° | 441.1   | 421.7   | 446.0   | 400.3   | 365.6   |
| 35°   | 295.0   | 301.2   | 282.5   | 280.5   | 236.8   |
| 37.5° | 184.2   | 211.9   | 187.0   | 199.4   | 152.3   |
| 40°   | 119.1   | 153.7   | 132.3   | 146.1   | 112.2   |
| 42.5° | 97.6    | 118.4   | 108.7   | 115.6   | 99.7    |
| 45°   | 77.6    | 96.3    | 96.3    | 96.3    | 78.3    |
| 47.5° | 42.9    | 64.4    | 82.4    | 65.8    | 45.7    |
| 50°   | 24.2    | 32.5    | 63.7    | 33.9    | 25.6    |
| 52.5° | 16.6    | 18.7    | 43.6    | 19.4    | 17.3    |
| 55°   | 12.5    | 13.2    | 23.5    | 13.8    | 13.2    |
| 57.5° | 9.7     | 10.4    | 12.5    | 10.4    | 9.7     |
| 60°   | 7.6     | 7.6     | 9.0     | 8.3     | 7.6     |
| 62.5° | 5.5     | 5.5     | 6.2     | 5.5     | 5.5     |
| 65°   | 4.2     | 4.2     | 4.2     | 4.2     | 4.2     |
| 67.5° | 2.1     | 2.8     | 2.8     | 2.8     | 2.8     |
| 70°   | 2.1     | 1.4     | 1.4     | 1.4     | 2.1     |
| 72.5° | 1.4     | 0.7     | 0.7     | 0.7     | 0.7     |
| 75°   | 0.0     | 0.0     | 0.7     | 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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Scaled Data Report



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