

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: P760951

Luminaire Tested: LD6D15D010-EU6DR1515309024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760951  
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: LD6D15D010-EU6DR1515309024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1117.7 lumens  
Efficiency: N/A  
Efficacy: 70.7 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): 15.8  
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

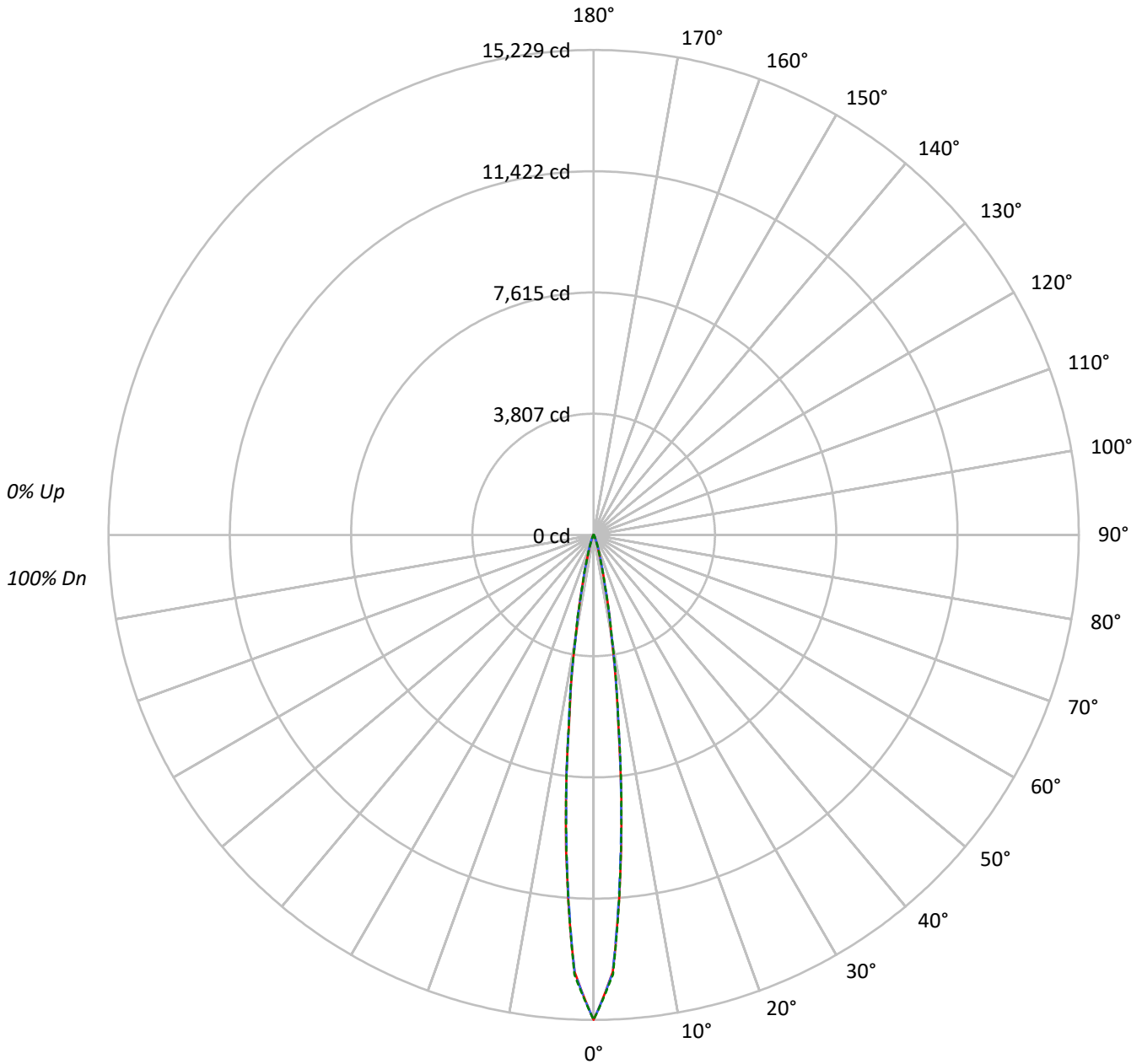


Downlight



TEST NUMBER: P760951  
CATALOG NUMBER: LD6D15D010-EU6DR1515309024-6LBSQW1MW

### 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°  | 1713555 | 1713555 | 1713555 |
| 5°  | 1006960 | 993931  | 1001787 |
| 10° | 300534  | 302634  | 307271  |
| 15° | 74758   | 76208   | 73854   |
| 20° | 22362   | 25897   | 22845   |
| 25° | 7884    | 10041   | 7985    |
| 30° | 2898    | 3811    | 2943    |
| 35° | 1452    | 1641    | 1402    |
| 40° | 916     | 1008    | 916     |
| 45° | 679     | 721     | 679     |
| 50° | 535     | 535     | 535     |
| 55° | 445     | 445     | 445     |
| 60° | 365     | 365     | 365     |
| 65° | 278     | 278     | 278     |
| 70° | 234     | 234     | 234     |
| 75° | 144     | 144     | 197     |
| 80° | 102     | 102     | 102     |
| 85° | 50      | 50      | 50      |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 721 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 724.9  | 64.9      |
| 10°-20°   | 298.2  | 26.7      |
| 20°-30°   | 59.2   | 5.3       |
| 30°-40°   | 14.8   | 1.3       |
| 40°-50°   | 7.8    | 0.7       |
| 50°-60°   | 5.8    | 0.5       |
| 60°-70°   | 4.1    | 0.4       |
| 70°-80°   | 2.3    | 0.2       |
| 80°-90°   | 0.7    | 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°    | 1082.3 | 96.8      |
| 0°-40°    | 1097.1 | 98.2      |
| 0°-60°    | 1110.6 | 99.4      |
| 0°-90°    | 1117.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1117.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 15229 | 15229 | 15229 | 15229 | 15229 |      |
| 5°  | 9908  | 9806  | 9780  | 9848  | 9857  | 724  |
| 15° | 861   | 877   | 877   | 862   | 850   | 295  |
| 25° | 101   | 115   | 129   | 114   | 102   | 53   |
| 35° | 20    | 21    | 23    | 21    | 19    | 14   |
| 45° | 10    | 10    | 10    | 10    | 10    | 8    |
| 55° | 6     | 6     | 6     | 6     | 6     | 6    |
| 65° | 4     | 4     | 4     | 4     | 4     | 4    |
| 75° | 2     | 2     | 2     | 2     | 3     | 2    |
| 85° | 1     | 1     | 1     | 1     | 1     | 1    |
| 90° | 0     | 0     | 0     | 0     | 0     |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 15228.9 | 15228.9 | 15228.9 | 15228.9 | 15228.9 |
| 2.5°  | 13737.1 | 13748.7 | 13753.2 | 13766.7 | 13817.0 |
| 5°    | 9908.2  | 9806.4  | 9780.0  | 9847.6  | 9857.3  |
| 7.5°  | 5869.3  | 5889.9  | 5965.3  | 5982.1  | 5921.5  |
| 10°   | 3220.9  | 3247.3  | 3243.4  | 3266.6  | 3293.1  |
| 12.5° | 1647.2  | 1626.6  | 1620.1  | 1646.5  | 1609.8  |
| 15°   | 860.7   | 876.8   | 877.4   | 862.0   | 850.3   |
| 17.5° | 462.9   | 481.6   | 512.5   | 487.4   | 448.7   |
| 20°   | 273.3   | 290.1   | 316.5   | 295.9   | 279.2   |
| 22.5° | 168.9   | 182.4   | 201.1   | 185.0   | 171.5   |
| 25°   | 101.2   | 114.8   | 128.9   | 114.1   | 102.5   |
| 27.5° | 60.0    | 71.6    | 80.6    | 70.9    | 59.3    |
| 30°   | 38.7    | 45.1    | 50.9    | 44.5    | 39.3    |
| 32.5° | 27.1    | 29.7    | 32.2    | 29.7    | 27.1    |
| 35°   | 20.0    | 21.3    | 22.6    | 21.3    | 19.3    |
| 37.5° | 15.5    | 16.8    | 17.4    | 16.1    | 14.8    |
| 40°   | 12.9    | 13.5    | 14.2    | 13.5    | 12.9    |
| 42.5° | 11.0    | 11.6    | 11.6    | 11.6    | 11.0    |
| 45°   | 9.7     | 9.7     | 10.3    | 9.7     | 9.7     |
| 47.5° | 8.4     | 8.4     | 9.0     | 8.4     | 8.4     |
| 50°   | 7.7     | 7.7     | 7.7     | 7.7     | 7.7     |
| 52.5° | 7.1     | 7.1     | 7.1     | 7.1     | 7.1     |
| 55°   | 6.4     | 6.4     | 6.4     | 6.4     | 6.4     |
| 57.5° | 5.8     | 5.8     | 5.8     | 5.8     | 5.8     |
| 60°   | 5.2     | 5.2     | 5.2     | 5.2     | 5.2     |
| 62.5° | 4.5     | 4.5     | 4.5     | 4.5     | 4.5     |
| 65°   | 3.9     | 3.9     | 3.9     | 3.9     | 3.9     |
| 67.5° | 3.9     | 3.9     | 3.9     | 3.9     | 3.9     |
| 70°   | 3.2     | 3.2     | 3.2     | 3.2     | 3.2     |
| 72.5° | 2.6     | 2.6     | 2.6     | 2.6     | 2.6     |
| 75°   | 1.9     | 1.9     | 1.9     | 1.9     | 2.6     |
| 77.5° | 1.9     | 1.9     | 1.9     | 1.9     | 1.9     |
| 80°   | 1.3     | 1.3     | 1.3     | 1.3     | 1.3     |
| 82.5° | 1.3     | 1.3     | 1.3     | 1.3     | 1.3     |
| 85°   | 0.6     | 0.6     | 0.6     | 0.6     | 0.6     |
| 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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Peachtree City, GA 30269

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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