

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P768719

Luminaire Tested: LD6D60D010-EU6DR3055659024-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768719  
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: LD6D60D010-EU6DR3055659024-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5994.7 lumens  
Efficiency: N/A  
Efficacy: 93.1 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

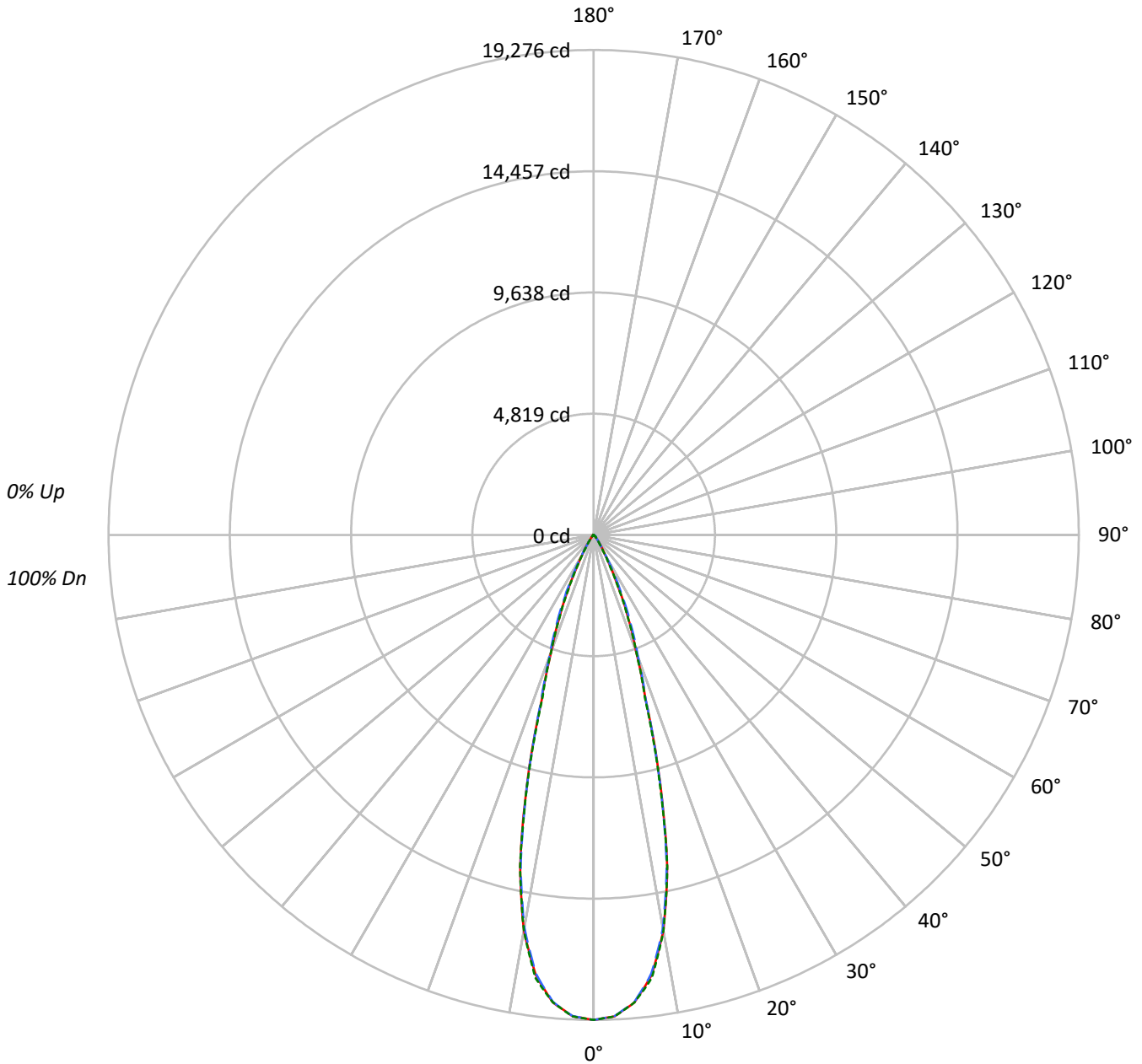
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P768719  
CATALOG NUMBER: LD6D60D010-EU6DR3055659024-6LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P768719

CATALOG NUMBER: LD6D60D010-EU6DR3055659024-6LBS1MW

**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°  | 1475443 | 1475443 | 1475443 |
| 5°  | 1433087 | 1431412 | 1433164 |
| 10° | 1241271 | 1232519 | 1240976 |
| 15° | 809869  | 805519  | 801469  |
| 20° | 402709  | 417819  | 402172  |
| 25° | 202856  | 228750  | 198700  |
| 30° | 81217   | 88500   | 70761   |
| 35° | 37676   | 36078   | 30247   |
| 40° | 16267   | 18066   | 15318   |
| 45° | 11474   | 14235   | 11572   |
| 50° | 3942    | 10372   | 4168    |
| 55° | 2269    | 4297    | 2402    |
| 60° | 1592    | 1883    | 1592    |
| 65° | 1032    | 1032    | 1032    |
| 70° | 627     | 425     | 627     |
| 75° | 0       | 266     | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 14235 cd/sqm



TEST NUMBER: P768719

CATALOG NUMBER: LD6D60D010-EU6DR3055659024-6LBS1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1695.0 | 28.3      |
| 10°-20°   | 2729.9 | 45.5      |
| 20°-30°   | 1179.6 | 19.7      |
| 30°-40°   | 268.9  | 4.5       |
| 40°-50°   | 92.3   | 1.5       |
| 50°-60°   | 22.6   | 0.4       |
| 60°-70°   | 5.9    | 0.1       |
| 70°-80°   | 0.6    | 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°    | 5604.5 | 93.5      |
| 0°-40°    | 5873.4 | 98.0      |
| 0°-60°    | 5988.2 | 99.9      |
| 0°-90°    | 5994.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5994.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 19276 | 19276 | 19276 | 19276 | 19276 |      |
| 5°  | 18651 | 18633 | 18630 | 18668 | 18652 | 1696 |
| 15° | 10220 | 10097 | 10165 | 10132 | 10114 | 2737 |
| 25° | 2402  | 2493  | 2708  | 2429  | 2353  | 1150 |
| 35° | 403   | 412   | 386   | 383   | 324   | 273  |
| 45° | 106   | 132   | 132   | 132   | 107   | 75   |
| 55° | 17    | 18    | 32    | 19    | 18    | 17   |
| 65° | 6     | 6     | 6     | 6     | 6     | 6    |
| 75° | 0     | 0     | 1     | 0     | 0     | 1    |
| 85° | 0     | 0     | 0     | 0     | 0     | 0    |
| 90° | 0     | 0     | 0     | 0     | 0     | 0    |



TEST NUMBER: P768719

CATALOG NUMBER: LD6D60D010-EU6DR3055659024-6LBS1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 19275.9 | 19275.9 | 19275.9 | 19275.9 | 19275.9 |
| 2.5°  | 19148.2 | 19134.9 | 19142.5 | 19151.9 | 19155.7 |
| 5°    | 18651.3 | 18633.3 | 18629.5 | 18668.3 | 18652.3 |
| 7.5°  | 17649.1 | 17623.5 | 17584.7 | 17672.7 | 17755.1 |
| 10°   | 15970.2 | 15941.8 | 15857.6 | 15899.2 | 15966.4 |
| 12.5° | 13491.6 | 13399.8 | 13397.9 | 13530.4 | 13512.4 |
| 15°   | 10220.0 | 10097.0 | 10165.1 | 10132.0 | 10114.0 |
| 17.5° | 6872.6  | 6825.3  | 6916.2  | 6888.7  | 6770.4  |
| 20°   | 4943.9  | 4956.2  | 5129.4  | 5042.3  | 4937.3  |
| 22.5° | 3607.6  | 3652.1  | 3857.5  | 3633.2  | 3550.8  |
| 25°   | 2401.9  | 2492.8  | 2708.5  | 2429.4  | 2352.7  |
| 27.5° | 1477.3  | 1518.9  | 1737.6  | 1458.4  | 1416.7  |
| 30°   | 918.9   | 898.1   | 1001.3  | 859.3   | 800.6   |
| 32.5° | 602.8   | 576.3   | 609.5   | 547.0   | 499.7   |
| 35°   | 403.2   | 411.7   | 386.1   | 383.3   | 323.7   |
| 37.5° | 251.7   | 289.6   | 255.5   | 272.6   | 208.2   |
| 40°   | 162.8   | 210.1   | 180.8   | 199.7   | 153.3   |
| 42.5° | 133.4   | 161.8   | 148.6   | 158.0   | 136.3   |
| 45°   | 106.0   | 131.5   | 131.5   | 131.5   | 106.9   |
| 47.5° | 58.7    | 88.0    | 112.6   | 89.9    | 62.5    |
| 50°   | 33.1    | 44.5    | 87.1    | 46.4    | 35.0    |
| 52.5° | 22.7    | 25.6    | 59.6    | 26.5    | 23.7    |
| 55°   | 17.0    | 18.0    | 32.2    | 18.9    | 18.0    |
| 57.5° | 13.2    | 14.2    | 17.0    | 14.2    | 13.2    |
| 60°   | 10.4    | 10.4    | 12.3    | 11.4    | 10.4    |
| 62.5° | 7.6     | 7.6     | 8.5     | 7.6     | 7.6     |
| 65°   | 5.7     | 5.7     | 5.7     | 5.7     | 5.7     |
| 67.5° | 2.8     | 3.8     | 3.8     | 3.8     | 3.8     |
| 70°   | 2.8     | 1.9     | 1.9     | 1.9     | 2.8     |
| 72.5° | 1.9     | 0.9     | 0.9     | 0.9     | 0.9     |
| 75°   | 0.0     | 0.0     | 0.9     | 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  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)