

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: P763807

Luminaire Tested: LD6D30D010-EU6DR1515309024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763807  
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: LD6D30D010-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: 2550.7 lumens  
Efficiency: N/A  
Efficacy: 88.0 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): 29  
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



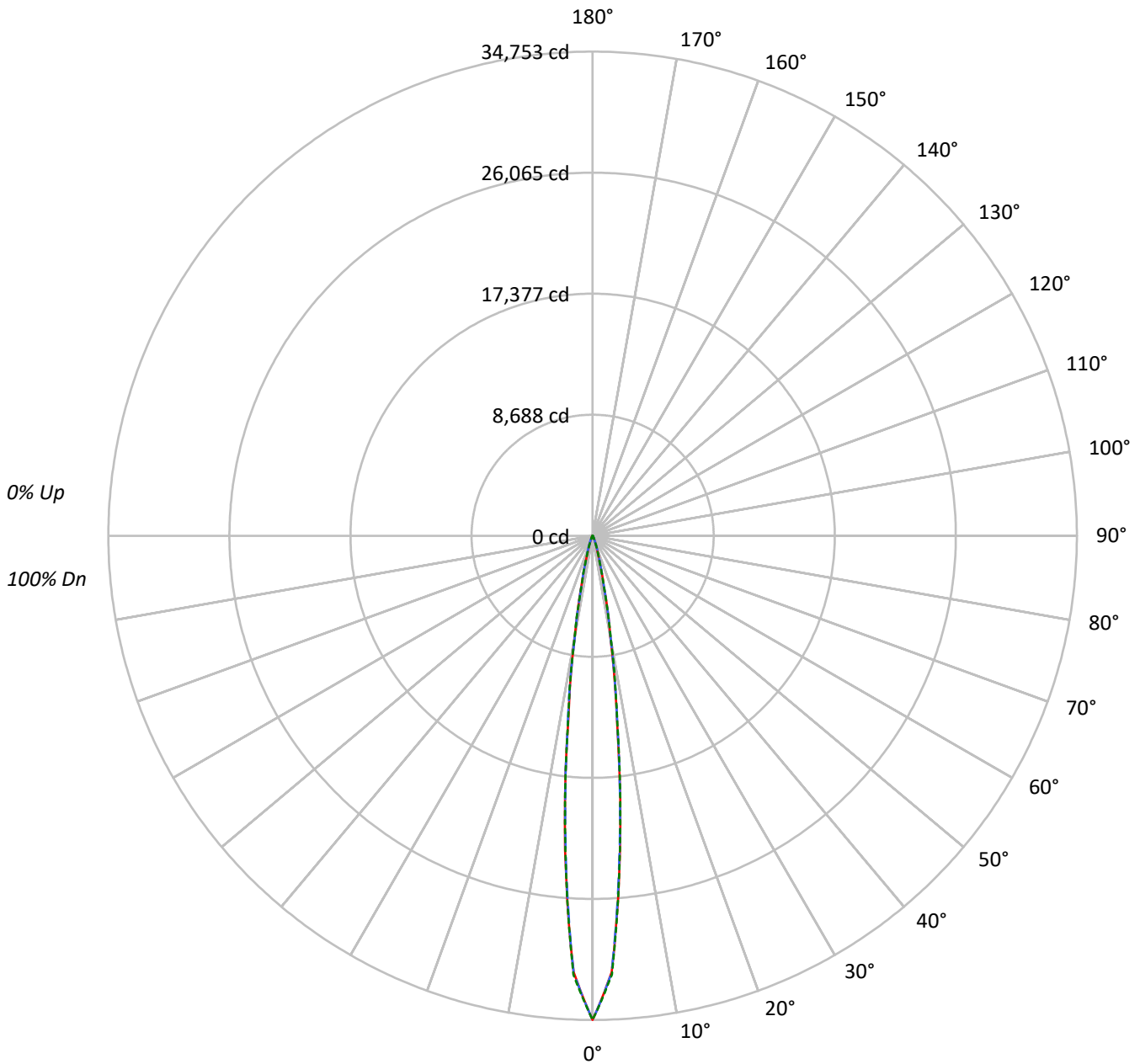
Downlight



TEST NUMBER: P763807

CATALOG NUMBER: LD6D30D010-EU6DR1515309024-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P763807

CATALOG NUMBER: LD6D30D010-EU6DR1515309024-6LBSQW1MW

**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°  | 3910372 | 3910372 | 3910372 |
| 5°  | 2297921 | 2268164 | 2286112 |
| 10° | 685820  | 690625  | 701197  |
| 15° | 170596  | 173913  | 168546  |
| 20° | 51041   | 59109   | 52121   |
| 25° | 17995   | 22918   | 18221   |
| 30° | 6612    | 8701    | 6717    |
| 35° | 3311    | 3740    | 3203    |
| 40° | 2088    | 2301    | 2088    |
| 45° | 1547    | 1645    | 1547    |
| 50° | 1231    | 1231    | 1231    |
| 55° | 1023    | 1023    | 1023    |
| 60° | 828     | 828     | 828     |
| 65° | 628     | 628     | 628     |
| 70° | 541     | 541     | 541     |
| 75° | 333     | 333     | 446     |
| 80° | 229     | 229     | 229     |
| 85° | 125     | 125     | 125     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1645 cd/sqm



TEST NUMBER: P763807

CATALOG NUMBER: LD6D30D010-EU6DR1515309024-6LBSQW1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1654.3 | 64.9      |
| 10°-20°   | 680.5  | 26.7      |
| 20°-30°   | 135.2  | 5.3       |
| 30°-40°   | 33.7   | 1.3       |
| 40°-50°   | 17.7   | 0.7       |
| 50°-60°   | 13.1   | 0.5       |
| 60°-70°   | 9.3    | 0.4       |
| 70°-80°   | 5.3    | 0.2       |
| 80°-90°   | 1.6    | 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°    | 2469.9 | 96.8      |
| 0°-40°    | 2503.6 | 98.2      |
| 0°-60°    | 2534.5 | 99.4      |
| 0°-90°    | 2550.7 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2550.7 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 34753 | 34753 | 34753 | 34753 | 34753 |      |
| 5°  | 22611 | 22378 | 22318 | 22473 | 22495 | 1651 |
| 15° | 1964  | 2001  | 2002  | 1967  | 1940  | 673  |
| 25° | 231   | 262   | 294   | 260   | 234   | 121  |
| 35° | 46    | 48    | 52    | 48    | 44    | 31   |
| 45° | 22    | 22    | 24    | 22    | 22    | 17   |
| 55° | 15    | 15    | 15    | 15    | 15    | 13   |
| 65° | 9     | 9     | 9     | 9     | 9     | 9    |
| 75° | 4     | 4     | 4     | 4     | 6     | 5    |
| 85° | 2     | 2     | 2     | 2     | 2     | 2    |
| 90° | 0     | 0     | 0     | 0     | 0     |      |



TEST NUMBER: P763807

CATALOG NUMBER: LD6D30D010-EU6DR1515309024-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 34752.7 | 34752.7 | 34752.7 | 34752.7 | 34752.7 |
| 2.5°  | 31348.4 | 31374.8 | 31385.1 | 31416.0 | 31530.8 |
| 5°    | 22610.9 | 22378.4 | 22318.1 | 22472.6 | 22494.7 |
| 7.5°  | 13393.8 | 13440.9 | 13613.0 | 13651.3 | 13513.0 |
| 10°   | 7350.1  | 7410.4  | 7401.6  | 7454.6  | 7514.9  |
| 12.5° | 3758.9  | 3711.8  | 3697.1  | 3757.4  | 3673.6  |
| 15°   | 1964.1  | 2000.8  | 2002.3  | 1967.0  | 1940.5  |
| 17.5° | 1056.3  | 1099.0  | 1169.6  | 1112.2  | 1024.0  |
| 20°   | 623.8   | 662.0   | 722.4   | 675.3   | 637.0   |
| 22.5° | 385.5   | 416.4   | 459.0   | 422.2   | 391.3   |
| 25°   | 231.0   | 261.9   | 294.2   | 260.4   | 233.9   |
| 27.5° | 136.8   | 163.3   | 183.9   | 161.8   | 135.4   |
| 30°   | 88.3    | 103.0   | 116.2   | 101.5   | 89.7    |
| 32.5° | 61.8    | 67.7    | 73.6    | 67.7    | 61.8    |
| 35°   | 45.6    | 48.5    | 51.5    | 48.5    | 44.1    |
| 37.5° | 35.3    | 38.3    | 39.7    | 36.8    | 33.8    |
| 40°   | 29.4    | 30.9    | 32.4    | 30.9    | 29.4    |
| 42.5° | 25.0    | 26.5    | 26.5    | 26.5    | 25.0    |
| 45°   | 22.1    | 22.1    | 23.5    | 22.1    | 22.1    |
| 47.5° | 19.1    | 19.1    | 20.6    | 19.1    | 19.1    |
| 50°   | 17.7    | 17.7    | 17.7    | 17.7    | 17.7    |
| 52.5° | 16.2    | 16.2    | 16.2    | 16.2    | 16.2    |
| 55°   | 14.7    | 14.7    | 14.7    | 14.7    | 14.7    |
| 57.5° | 13.2    | 13.2    | 13.2    | 13.2    | 13.2    |
| 60°   | 11.8    | 11.8    | 11.8    | 11.8    | 11.8    |
| 62.5° | 10.3    | 10.3    | 10.3    | 10.3    | 10.3    |
| 65°   | 8.8     | 8.8     | 8.8     | 8.8     | 8.8     |
| 67.5° | 8.8     | 8.8     | 8.8     | 8.8     | 8.8     |
| 70°   | 7.4     | 7.4     | 7.4     | 7.4     | 7.4     |
| 72.5° | 5.9     | 5.9     | 5.9     | 5.9     | 5.9     |
| 75°   | 4.4     | 4.4     | 4.4     | 4.4     | 5.9     |
| 77.5° | 4.4     | 4.4     | 4.4     | 4.4     | 4.4     |
| 80°   | 2.9     | 2.9     | 2.9     | 2.9     | 2.9     |
| 82.5° | 2.9     | 2.9     | 2.9     | 2.9     | 2.9     |
| 85°   | 1.5     | 1.5     | 1.5     | 1.5     | 1.5     |
| 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)