

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: P774179

Luminaire Tested: LD6D95BD010-EU6DR3070959024-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774179  
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: LD6D95BD010-EU6DR3070959024-6LBS1MW  
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: 9361.1 lumens  
Efficiency: N/A  
Efficacy: 94.4 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): 99.2  
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

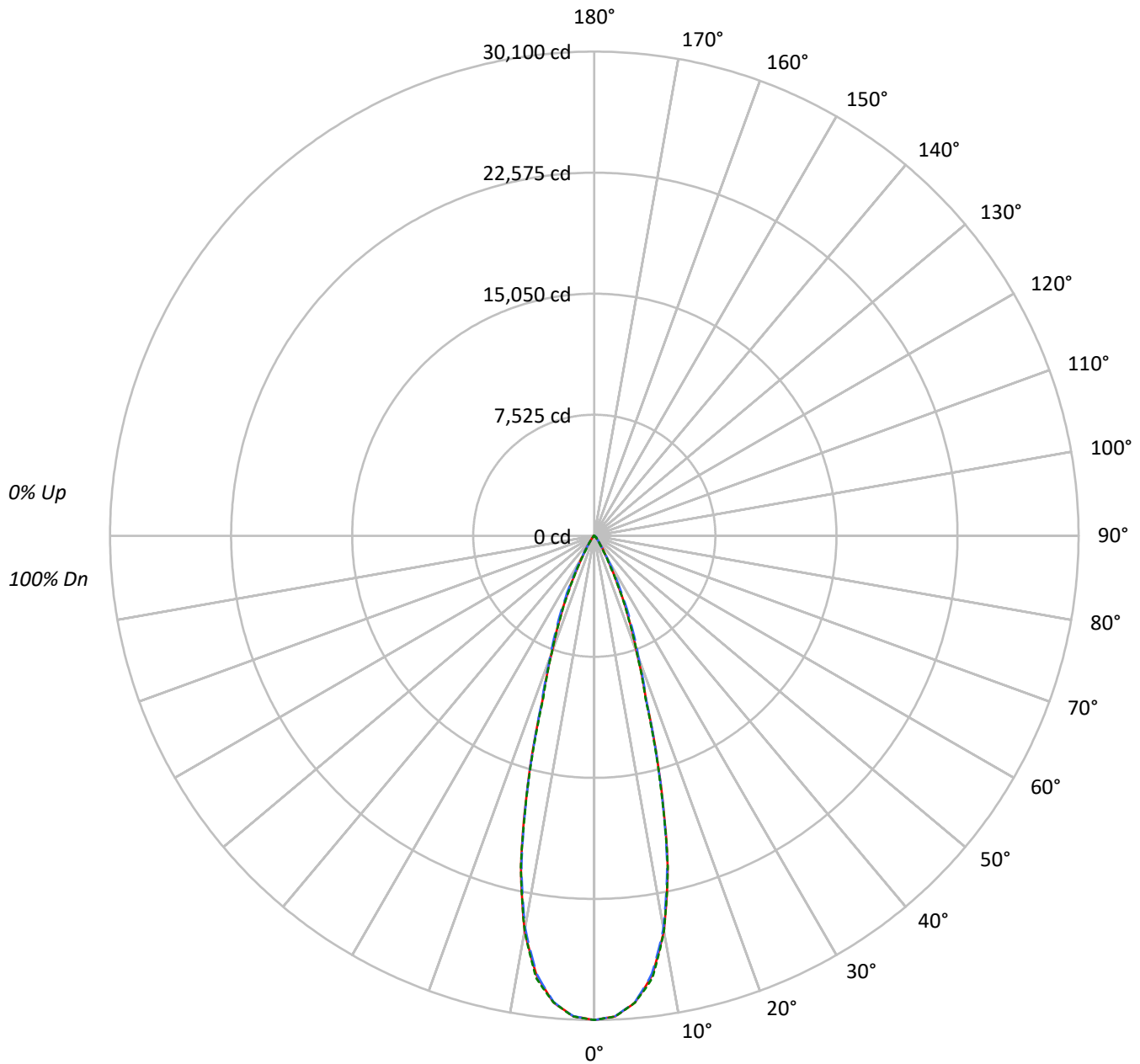


Downlight

TEST NUMBER: P774179

CATALOG NUMBER: LD6D95BD010-EU6DR3070959024-6LBS1MW

### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|-----|-----|-----|--|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |  | 20  |     |     |  | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  | 30  |     |     |  | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  | 50  | 30  | 10  |  | 50  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |  |     |     |     |  |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 |  | 106 | 106 | 106 |  | 102 |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 |  | 103 | 102 | 101 |  | 99  |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  |  | 99  | 97  | 96  |  | 97  |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  |  | 96  | 93  | 91  |  | 94  |
| 4   | 103 | 98  | 93  | 90  | 102 | 96  | 93  | 90  | 94  | 91  | 89  |  | 93  | 90  | 88  |  | 91  |
| 5   | 100 | 94  | 89  | 86  | 98  | 93  | 89  | 86  | 91  | 88  | 85  |  | 90  | 86  | 84  |  | 88  |
| 6   | 97  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  |  | 87  | 83  | 81  |  | 85  |
| 7   | 94  | 87  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 78  |  | 84  | 81  | 78  |  | 83  |
| 8   | 91  | 84  | 79  | 76  | 90  | 83  | 79  | 76  | 82  | 78  | 76  |  | 81  | 78  | 75  |  | 80  |
| 9   | 88  | 81  | 76  | 73  | 87  | 80  | 76  | 73  | 80  | 76  | 73  |  | 79  | 75  | 73  |  | 78  |
| 10  | 85  | 78  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 71  |  | 76  | 73  | 71  |  | 76  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2303972 | 2303972 | 2303972 |
| 5°  | 2237834 | 2235222 | 2237950 |
| 10° | 1938302 | 1924630 | 1937843 |
| 15° | 1264648 | 1257857 | 1251533 |
| 20° | 628847  | 652445  | 628008  |
| 25° | 316770  | 357208  | 310284  |
| 30° | 126832  | 138189  | 110499  |
| 35° | 58831   | 56346   | 47226   |
| 40° | 25400   | 28208   | 23921   |
| 45° | 17915   | 22234   | 18078   |
| 50° | 6156    | 16195   | 6514    |
| 55° | 3550    | 6699    | 3750    |
| 60° | 2495    | 2939    | 2495    |
| 65° | 1612    | 1612    | 1612    |
| 70° | 985     | 671     | 985     |
| 75° | 0       | 444     | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 22234 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2646.9 | 28.3      |
| 10°-20°   | 4262.8 | 45.5      |
| 20°-30°   | 1842.1 | 19.7      |
| 30°-40°   | 419.8  | 4.5       |
| 40°-50°   | 144.2  | 1.5       |
| 50°-60°   | 35.2   | 0.4       |
| 60°-70°   | 9.1    | 0.1       |
| 70°-80°   | 1.0    | 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°    | 8751.7 | 93.5      |
| 0°-40°    | 9171.6 | 98.0      |
| 0°-60°    | 9351.0 | 99.9      |
| 0°-90°    | 9361.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 9361.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 30100 | 30100 | 30100 | 30100 | 30100 |      |
| 5°  | 29125 | 29097 | 29091 | 29152 | 29126 | 2649 |
| 15° | 15959 | 15767 | 15873 | 15822 | 15794 | 4273 |
| 25° | 3751  | 3893  | 4230  | 3794  | 3674  | 1795 |
| 35° | 630   | 643   | 603   | 598   | 505   | 427  |
| 45° | 166   | 205   | 205   | 205   | 167   | 117  |
| 55° | 27    | 28    | 50    | 30    | 28    | 26   |
| 65° | 9     | 9     | 9     | 9     | 9     | 9    |
| 75° | 0     | 0     | 2     | 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°    | 30100.2 | 30100.2 | 30100.2 | 30100.2 | 30100.2 |
| 2.5°  | 29900.7 | 29880.0 | 29891.9 | 29906.6 | 29912.6 |
| 5°    | 29124.9 | 29096.8 | 29090.9 | 29151.5 | 29126.4 |
| 7.5°  | 27559.9 | 27520.0 | 27459.4 | 27596.8 | 27725.4 |
| 10°   | 24938.2 | 24893.9 | 24762.3 | 24827.4 | 24932.3 |
| 12.5° | 21067.8 | 20924.5 | 20921.5 | 21128.4 | 21100.3 |
| 15°   | 15959.0 | 15766.9 | 15873.3 | 15821.5 | 15793.5 |
| 17.5° | 10731.9 | 10658.0 | 10799.9 | 10757.1 | 10572.3 |
| 20°   | 7720.1  | 7739.3  | 8009.8  | 7873.8  | 7709.8  |
| 22.5° | 5633.4  | 5702.9  | 6023.6  | 5673.4  | 5544.8  |
| 25°   | 3750.7  | 3892.6  | 4229.5  | 3793.6  | 3673.9  |
| 27.5° | 2306.9  | 2371.9  | 2713.3  | 2277.3  | 2212.3  |
| 30°   | 1435.0  | 1402.5  | 1563.5  | 1341.9  | 1250.2  |
| 32.5° | 941.4   | 900.0   | 951.7   | 854.2   | 780.3   |
| 35°   | 629.6   | 642.9   | 603.0   | 598.5   | 505.4   |
| 37.5° | 393.1   | 452.2   | 399.0   | 425.6   | 325.1   |
| 40°   | 254.2   | 328.1   | 282.3   | 311.8   | 239.4   |
| 42.5° | 208.4   | 252.7   | 232.0   | 246.8   | 212.8   |
| 45°   | 165.5   | 205.4   | 205.4   | 205.4   | 167.0   |
| 47.5° | 91.6    | 137.4   | 175.9   | 140.4   | 97.5    |
| 50°   | 51.7    | 69.5    | 136.0   | 72.4    | 54.7    |
| 52.5° | 35.5    | 39.9    | 93.1    | 41.4    | 36.9    |
| 55°   | 26.6    | 28.1    | 50.2    | 29.6    | 28.1    |
| 57.5° | 20.7    | 22.2    | 26.6    | 22.2    | 20.7    |
| 60°   | 16.3    | 16.3    | 19.2    | 17.7    | 16.3    |
| 62.5° | 11.8    | 11.8    | 13.3    | 11.8    | 11.8    |
| 65°   | 8.9     | 8.9     | 8.9     | 8.9     | 8.9     |
| 67.5° | 4.4     | 5.9     | 5.9     | 5.9     | 5.9     |
| 70°   | 4.4     | 3.0     | 3.0     | 3.0     | 4.4     |
| 72.5° | 3.0     | 1.5     | 1.5     | 1.5     | 1.5     |
| 75°   | 0.0     | 0.0     | 1.5     | 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     |



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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°







(END OF REPORT)