

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: P774214

Luminaire Tested: LD6D95BD010-EU6DR3070959035-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774214  
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-EU6DR3070959035-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9842.1 lumens  
Efficiency: N/A  
Efficacy: 99.2 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 (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

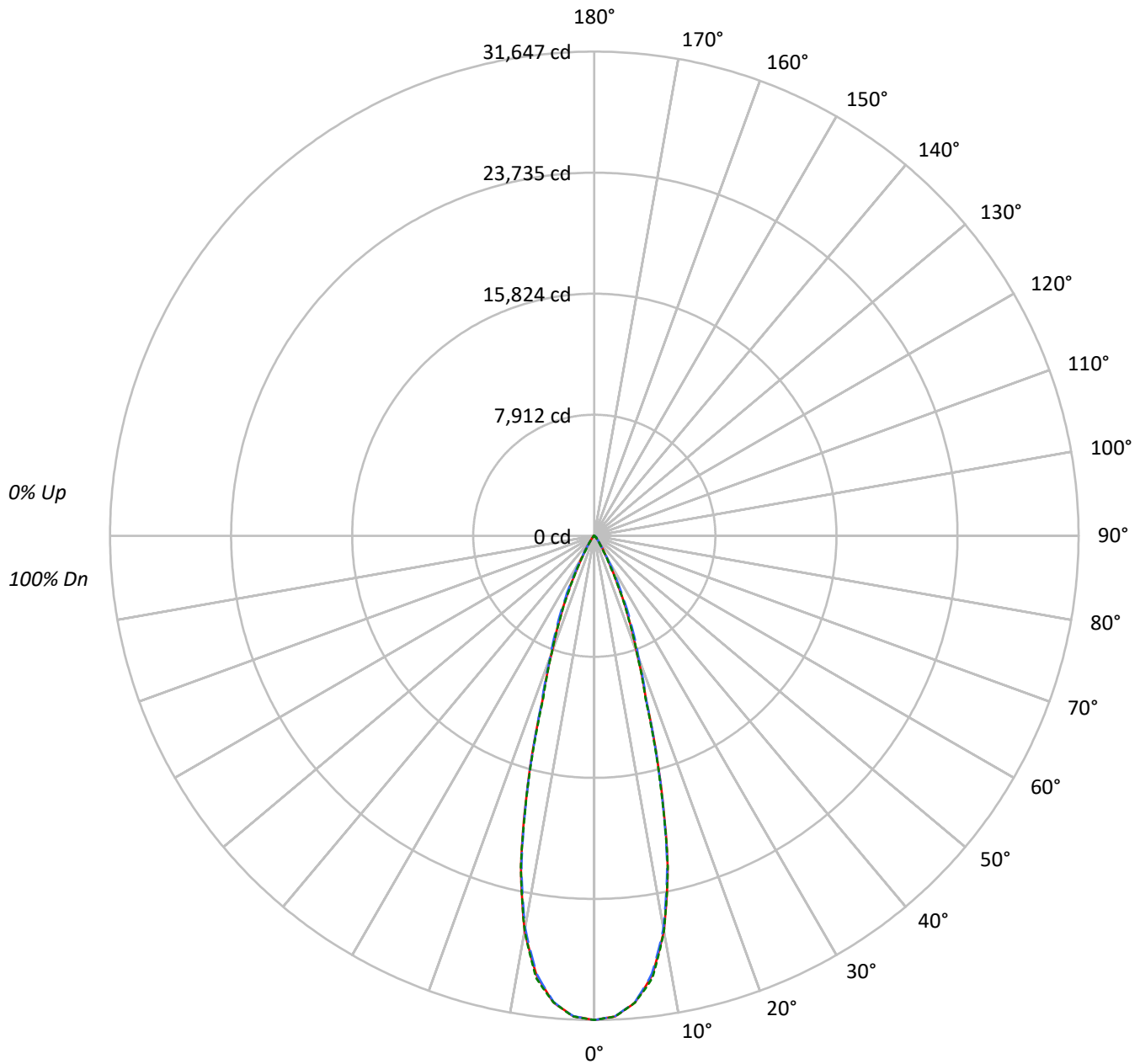


Downlight

TEST NUMBER: P774214

CATALOG NUMBER: LD6D95BD010-EU6DR3070959035-6LBDP1MW

### Luminous Intensity Polar Plot



TEST NUMBER: P774214

CATALOG NUMBER: LD6D95BD010-EU6DR3070959035-6LBDP1MW

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

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 2422392 | 2422392 | 2422392 |
| 5°  | 2352850 | 2350099 | 2352965 |
| 10° | 2037921 | 2023550 | 2037439 |
| 15° | 1329643 | 1322504 | 1315855 |
| 20° | 661168  | 685980  | 660281  |
| 25° | 333053  | 375569  | 326229  |
| 30° | 133346  | 145296  | 116182  |
| 35° | 61849   | 59233   | 49655   |
| 40° | 26699   | 29656   | 25150   |
| 45° | 18835   | 23382   | 19008   |
| 50° | 6478    | 17017   | 6847    |
| 55° | 3737    | 7046    | 3937    |
| 60° | 2618    | 3092    | 2618    |
| 65° | 1684    | 1684    | 1684    |
| 70° | 1052    | 694     | 1052    |
| 75° | 0       | 473     | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23382 cd/sqm



TEST NUMBER: P774214

CATALOG NUMBER: LD6D95BD010-EU6DR3070959035-6LBDP1MW

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2782.9 | 28.3      |
| 10°-20°   | 4481.9 | 45.5      |
| 20°-30°   | 1936.7 | 19.7      |
| 30°-40°   | 441.4  | 4.5       |
| 40°-50°   | 151.6  | 1.5       |
| 50°-60°   | 37.0   | 0.4       |
| 60°-70°   | 9.6    | 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°    | 9201.5 | 93.5      |
| 0°-40°    | 9642.9 | 98.0      |
| 0°-60°    | 9831.5 | 99.9      |
| 0°-90°    | 9842.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 9842.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 31647 | 31647 | 31647 | 31647 | 31647 |      |
| 5°  | 30622 | 30592 | 30586 | 30650 | 30623 | 2785 |
| 15° | 16779 | 16577 | 16689 | 16635 | 16605 | 4493 |
| 25° | 3944  | 4093  | 4447  | 3988  | 3863  | 1888 |
| 35° | 662   | 676   | 634   | 629   | 531   | 449  |
| 45° | 174   | 216   | 216   | 216   | 176   | 124  |
| 55° | 28    | 30    | 53    | 31    | 30    | 27   |
| 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     |      |



TEST NUMBER: P774214

CATALOG NUMBER: LD6D95BD010-EU6DR3070959035-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 31647.3 | 31647.3 | 31647.3 | 31647.3 | 31647.3 |
| 2.5°  | 31437.5 | 31415.8 | 31428.2 | 31443.7 | 31449.9 |
| 5°    | 30621.8 | 30592.3 | 30586.0 | 30649.7 | 30623.3 |
| 7.5°  | 28976.3 | 28934.4 | 28870.7 | 29015.2 | 29150.3 |
| 10°   | 26219.9 | 26173.3 | 26035.0 | 26103.4 | 26213.7 |
| 12.5° | 22150.6 | 21999.9 | 21996.8 | 22214.3 | 22184.8 |
| 15°   | 16779.2 | 16577.2 | 16689.1 | 16634.7 | 16605.2 |
| 17.5° | 11283.5 | 11205.8 | 11355.0 | 11309.9 | 11115.7 |
| 20°   | 8116.9  | 8137.1  | 8421.5  | 8278.5  | 8106.0  |
| 22.5° | 5923.0  | 5996.0  | 6333.2  | 5964.9  | 5829.8  |
| 25°   | 3943.5  | 4092.6  | 4446.9  | 3988.5  | 3862.7  |
| 27.5° | 2425.4  | 2493.8  | 2852.7  | 2394.4  | 2326.0  |
| 30°   | 1508.7  | 1474.5  | 1643.9  | 1410.8  | 1314.5  |
| 32.5° | 989.8   | 946.2   | 1000.6  | 898.1   | 820.4   |
| 35°   | 661.9   | 675.9   | 633.9   | 629.3   | 531.4   |
| 37.5° | 413.3   | 475.5   | 419.5   | 447.5   | 341.8   |
| 40°   | 267.2   | 344.9   | 296.8   | 327.8   | 251.7   |
| 42.5° | 219.1   | 265.7   | 243.9   | 259.5   | 223.7   |
| 45°   | 174.0   | 216.0   | 216.0   | 216.0   | 175.6   |
| 47.5° | 96.3    | 144.5   | 184.9   | 147.6   | 102.5   |
| 50°   | 54.4    | 73.0    | 142.9   | 76.1    | 57.5    |
| 52.5° | 37.3    | 42.0    | 97.9    | 43.5    | 38.8    |
| 55°   | 28.0    | 29.5    | 52.8    | 31.1    | 29.5    |
| 57.5° | 21.8    | 23.3    | 28.0    | 23.3    | 21.8    |
| 60°   | 17.1    | 17.1    | 20.2    | 18.6    | 17.1    |
| 62.5° | 12.4    | 12.4    | 14.0    | 12.4    | 12.4    |
| 65°   | 9.3     | 9.3     | 9.3     | 9.3     | 9.3     |
| 67.5° | 4.7     | 6.2     | 6.2     | 6.2     | 6.2     |
| 70°   | 4.7     | 3.1     | 3.1     | 3.1     | 4.7     |
| 72.5° | 3.1     | 1.6     | 1.6     | 1.6     | 1.6     |
| 75°   | 0.0     | 0.0     | 1.6     | 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     |



Report Generated By 670245859 / DESKTOP-T8S5UU9





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







(END OF REPORT)