

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: P763813

Luminaire Tested: LD6D30D010-EU6DR1515309027-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763813  
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-EU6DR1515309027-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3273.1 lumens  
Efficiency: N/A  
Efficacy: 112.9 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 (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



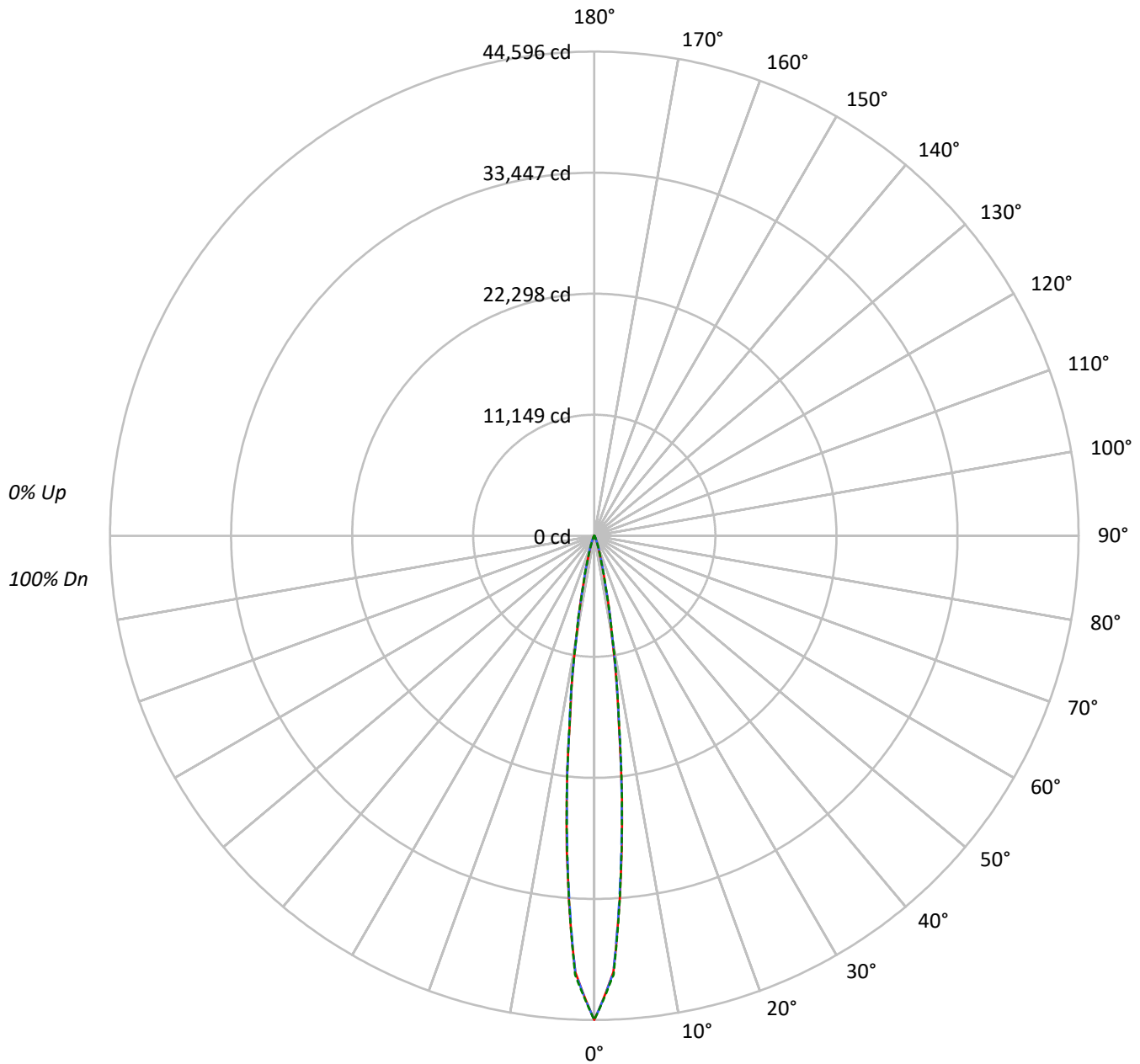
Downlight



TEST NUMBER: P763813

CATALOG NUMBER: LD6D30D010-EU6DR1515309027-6LBDP1LI

### Luminous Intensity Polar Plot



TEST NUMBER: P763813

CATALOG NUMBER: LD6D30D010-EU6DR1515309027-6LBDP1LI

**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   | 116 | 114 | 112 | 111 | 113 | 112 | 110 | 109 | 108 | 107 | 106 |  | 104 | 103 | 103 |  | 101 |
| 2   | 113 | 110 | 107 | 105 | 111 | 108 | 106 | 104 | 105 | 103 | 102 |  | 102 | 101 | 100 |  | 100 |
| 3   | 110 | 106 | 103 | 101 | 108 | 105 | 102 | 100 | 103 | 100 | 99  |  | 100 | 99  | 97  |  | 98  |
| 4   | 108 | 103 | 100 | 98  | 106 | 102 | 99  | 97  | 100 | 98  | 96  |  | 99  | 97  | 95  |  | 97  |
| 5   | 106 | 101 | 98  | 95  | 104 | 100 | 97  | 95  | 98  | 96  | 94  |  | 97  | 95  | 93  |  | 96  |
| 6   | 104 | 99  | 95  | 93  | 102 | 98  | 95  | 93  | 97  | 94  | 92  |  | 96  | 93  | 92  |  | 95  |
| 7   | 102 | 97  | 94  | 91  | 101 | 96  | 93  | 91  | 95  | 93  | 91  |  | 94  | 92  | 90  |  | 93  |
| 8   | 100 | 95  | 92  | 90  | 99  | 95  | 92  | 90  | 94  | 91  | 89  |  | 93  | 91  | 89  |  | 92  |
| 9   | 99  | 93  | 90  | 88  | 98  | 93  | 90  | 88  | 92  | 90  | 88  |  | 92  | 89  | 88  |  | 91  |
| 10  | 97  | 92  | 89  | 87  | 96  | 92  | 89  | 87  | 91  | 89  | 87  |  | 91  | 88  | 87  |  | 90  |

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

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 5017883 | 5017883 | 5017883 |
| 5°  | 2948742 | 2910560 | 2933589 |
| 10° | 880059  | 886226  | 899793  |
| 15° | 218905  | 223170  | 216282  |
| 20° | 65499   | 75842   | 66890   |
| 25° | 23090   | 29415   | 23386   |
| 30° | 8484    | 11165   | 8626    |
| 35° | 4248    | 4800    | 4110    |
| 40° | 2684    | 2947    | 2684    |
| 45° | 1981    | 2114    | 1981    |
| 50° | 1578    | 1578    | 1578    |
| 55° | 1316    | 1316    | 1316    |
| 60° | 1060    | 1060    | 1060    |
| 65° | 806     | 806     | 806     |
| 70° | 687     | 687     | 687     |
| 75° | 431     | 431     | 574     |
| 80° | 300     | 300     | 300     |
| 85° | 158     | 158     | 158     |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2114 cd/sqm



TEST NUMBER: P763813

CATALOG NUMBER: LD6D30D010-EU6DR1515309027-6LBDP1LI

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2122.8 | 64.9      |
| 10°-20°   | 873.2  | 26.7      |
| 20°-30°   | 173.4  | 5.3       |
| 30°-40°   | 43.3   | 1.3       |
| 40°-50°   | 22.8   | 0.7       |
| 50°-60°   | 16.9   | 0.5       |
| 60°-70°   | 11.9   | 0.4       |
| 70°-80°   | 6.8    | 0.2       |
| 80°-90°   | 2.1    | 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°    | 3169.4 | 96.8      |
| 0°-40°    | 3212.7 | 98.2      |
| 0°-60°    | 3252.4 | 99.4      |
| 0°-90°    | 3273.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3273.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 44596 | 44596 | 44596 | 44596 | 44596 |      |
| 5°  | 29015 | 28716 | 28639 | 28837 | 28866 | 2119 |
| 15° | 2520  | 2568  | 2569  | 2524  | 2490  | 864  |
| 25° | 296   | 336   | 378   | 334   | 300   | 156  |
| 35° | 58    | 62    | 66    | 62    | 57    | 40   |
| 45° | 28    | 28    | 30    | 28    | 28    | 22   |
| 55° | 19    | 19    | 19    | 19    | 19    | 17   |
| 65° | 11    | 11    | 11    | 11    | 11    | 12   |
| 75° | 6     | 6     | 6     | 6     | 8     | 7    |
| 85° | 2     | 2     | 2     | 2     | 2     | 2    |
| 90° | 0     | 0     | 0     | 0     | 0     |      |



TEST NUMBER: P763813

CATALOG NUMBER: LD6D30D010-EU6DR1515309027-6LBDP1LI

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 44595.5 | 44595.5 | 44595.5 | 44595.5 | 44595.5 |
| 2.5°  | 40226.9 | 40260.9 | 40274.1 | 40313.8 | 40461.0 |
| 5°    | 29014.8 | 28716.5 | 28639.1 | 28837.3 | 28865.7 |
| 7.5°  | 17187.2 | 17247.7 | 17468.5 | 17517.6 | 17340.2 |
| 10°   | 9431.8  | 9509.2  | 9497.9  | 9565.9  | 9643.3  |
| 12.5° | 4823.5  | 4763.1  | 4744.2  | 4821.6  | 4714.0  |
| 15°   | 2520.3  | 2567.5  | 2569.4  | 2524.1  | 2490.1  |
| 17.5° | 1355.5  | 1410.2  | 1500.9  | 1427.2  | 1314.0  |
| 20°   | 800.5   | 849.5   | 926.9   | 866.5   | 817.5   |
| 22.5° | 494.6   | 534.3   | 589.0   | 541.8   | 502.2   |
| 25°   | 296.4   | 336.0   | 377.6   | 334.2   | 300.2   |
| 27.5° | 175.6   | 209.6   | 236.0   | 207.7   | 173.7   |
| 30°   | 113.3   | 132.2   | 149.1   | 130.3   | 115.2   |
| 32.5° | 79.3    | 86.8    | 94.4    | 86.8    | 79.3    |
| 35°   | 58.5    | 62.3    | 66.1    | 62.3    | 56.6    |
| 37.5° | 45.3    | 49.1    | 51.0    | 47.2    | 43.4    |
| 40°   | 37.8    | 39.6    | 41.5    | 39.6    | 37.8    |
| 42.5° | 32.1    | 34.0    | 34.0    | 34.0    | 32.1    |
| 45°   | 28.3    | 28.3    | 30.2    | 28.3    | 28.3    |
| 47.5° | 24.5    | 24.5    | 26.4    | 24.5    | 24.5    |
| 50°   | 22.7    | 22.7    | 22.7    | 22.7    | 22.7    |
| 52.5° | 20.8    | 20.8    | 20.8    | 20.8    | 20.8    |
| 55°   | 18.9    | 18.9    | 18.9    | 18.9    | 18.9    |
| 57.5° | 17.0    | 17.0    | 17.0    | 17.0    | 17.0    |
| 60°   | 15.1    | 15.1    | 15.1    | 15.1    | 15.1    |
| 62.5° | 13.2    | 13.2    | 13.2    | 13.2    | 13.2    |
| 65°   | 11.3    | 11.3    | 11.3    | 11.3    | 11.3    |
| 67.5° | 11.3    | 11.3    | 11.3    | 11.3    | 11.3    |
| 70°   | 9.4     | 9.4     | 9.4     | 9.4     | 9.4     |
| 72.5° | 7.6     | 7.6     | 7.6     | 7.6     | 7.6     |
| 75°   | 5.7     | 5.7     | 5.7     | 5.7     | 5.7     |
| 77.5° | 5.7     | 5.7     | 5.7     | 5.7     | 5.7     |
| 80°   | 3.8     | 3.8     | 3.8     | 3.8     | 3.8     |
| 82.5° | 3.8     | 3.8     | 3.8     | 3.8     | 3.8     |
| 85°   | 1.9     | 1.9     | 1.9     | 1.9     | 1.9     |
| 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)