

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: P763917

Luminaire Tested: LD6D30D010-EU6DR2015309035-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763917  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D30D010-EU6DR2015309035-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3743.5 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
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



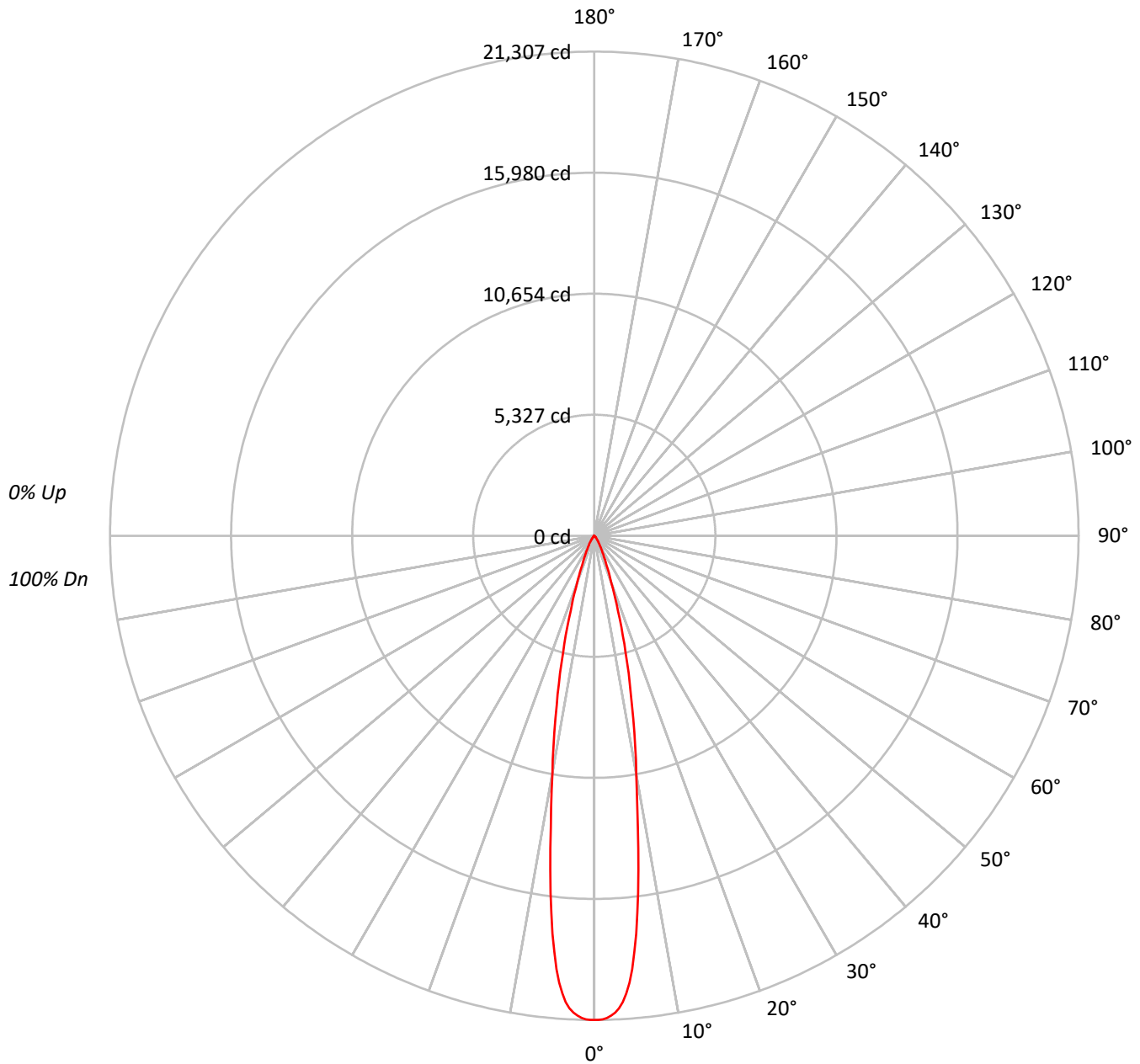
Downlight



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### 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 | 113 | 111 | 109 | 108 | 107 | 106 | 104 |  | 103 | 102 | 101 |  | 100 |
| 2   | 111 | 108 | 105 | 102 | 109 | 106 | 104 | 101 | 103 | 101 | 99  |  | 100 | 99  | 97  |  | 98  |
| 3   | 108 | 103 | 100 | 97  | 106 | 102 | 99  | 96  | 100 | 97  | 95  |  | 97  | 95  | 93  |  | 95  |
| 4   | 105 | 99  | 96  | 93  | 103 | 98  | 95  | 92  | 96  | 93  | 91  |  | 95  | 92  | 90  |  | 93  |
| 5   | 102 | 96  | 92  | 89  | 100 | 95  | 91  | 89  | 94  | 90  | 88  |  | 92  | 89  | 87  |  | 91  |
| 6   | 99  | 93  | 89  | 86  | 98  | 92  | 88  | 86  | 91  | 87  | 85  |  | 90  | 87  | 84  |  | 88  |
| 7   | 96  | 90  | 86  | 83  | 95  | 89  | 86  | 83  | 88  | 85  | 82  |  | 87  | 84  | 82  |  | 86  |
| 8   | 94  | 87  | 83  | 81  | 93  | 87  | 83  | 80  | 86  | 83  | 80  |  | 85  | 82  | 80  |  | 84  |
| 9   | 91  | 85  | 81  | 78  | 91  | 85  | 81  | 78  | 84  | 80  | 78  |  | 83  | 80  | 78  |  | 82  |
| 10  | 89  | 83  | 79  | 76  | 88  | 82  | 79  | 76  | 82  | 78  | 76  |  | 81  | 78  | 76  |  | 81  |

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

|     |         |
|-----|---------|
|     | 0°      |
| 0°  | 2328030 |
| 5°  | 2100325 |
| 10° | 1178815 |
| 15° | 599216  |
| 20° | 253696  |
| 25° | 117108  |
| 30° | 61997   |
| 35° | 33399   |
| 40° | 17857   |
| 45° | 10554   |
| 50° | 6119    |
| 55° | 3257    |
| 60° | 2076    |
| 65° | 1474    |
| 70° | 607     |
| 75° | 0       |
| 80° | 0       |
| 85° | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10554 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1517.0 | 40.5      |
| 10°-20°   | 1493.8 | 39.9      |
| 20°-30°   | 488.0  | 13.0      |
| 30°-40°   | 166.1  | 4.4       |
| 40°-50°   | 55.9   | 1.5       |
| 50°-60°   | 16.8   | 0.4       |
| 60°-70°   | 5.6    | 0.1       |
| 70°-80°   | 0.2    | 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°    | 3498.8 | 93.5      |
| 0°-40°    | 3665.0 | 97.9      |
| 0°-60°    | 3737.6 | 99.8      |
| 0°-90°    | 3743.5 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3743.5 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | Flux |
|-----|-------|------|
| 0°  | 21307 |      |
| 5°  | 19150 | ###  |
| 15° | 5297  | 1494 |
| 25° | 971   | 488  |
| 35° | 250   | 166  |
| 45° | 68    | 56   |
| 55° | 17    | 17   |
| 65° | 6     | 6    |
| 75° | 0     | 0    |
| 85° | 0     | 0    |
| 90° | 0     |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      |
|-------|---------|
| 0°    | 21307.1 |
| 0.5°  | 21307.1 |
| 1°    | 21280.6 |
| 1.5°  | 21227.5 |
| 2°    | 21130.7 |
| 2.5°  | 21001.7 |
| 3°    | 20819.5 |
| 3.5°  | 20565.3 |
| 4°    | 20187.7 |
| 4.5°  | 19728.6 |
| 5°    | 19149.9 |
| 5.5°  | 18389.0 |
| 6°    | 17609.2 |
| 6.5°  | 16715.6 |
| 7°    | 15840.9 |
| 7.5°  | 14816.3 |
| 8°    | 13901.8 |
| 8.5°  | 12981.6 |
| 9°    | 12131.6 |
| 9.5°  | 11351.8 |
| 10°   | 10625.1 |
| 12.5° | 7629.2  |
| 15°   | 5297.4  |
| 17.5° | 3460.7  |
| 20°   | 2181.9  |
| 22.5° | 1413.5  |
| 25°   | 971.4   |
| 27.5° | 683.0   |
| 30°   | 491.4   |
| 32.5° | 352.9   |
| 35°   | 250.4   |
| 37.5° | 174.6   |
| 40°   | 125.2   |
| 42.5° | 91.1    |
| 45°   | 68.3    |
| 47.5° | 53.1    |
| 50°   | 36.0    |
| 52.5° | 22.8    |
| 55°   | 17.1    |
| 57.5° | 13.3    |
| 60°   | 9.5     |
| 62.5° | 7.6     |
| 65°   | 5.7     |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  |
|-------|-----|
| 72.5° | 0.0 |
| 75°   | 0.0 |
| 77.5° | 0.0 |
| 80°   | 0.0 |
| 82.5° | 0.0 |
| 85°   | 0.0 |
| 87.5° | 0.0 |
| 90°   | 0.0 |



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— 0°-180°







|       |     |
|-------|-----|
| 67.5° | 3.8 |
| 70°   | 1.9 |



(END OF REPORT)