

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: P774763

Luminaire Tested: LD6D95BD010-EU6DR6570959035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774763  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D95BD010-EU6DR6570959035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10942.2 lumens  
Efficiency: N/A  
Efficacy: 110.3 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' 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

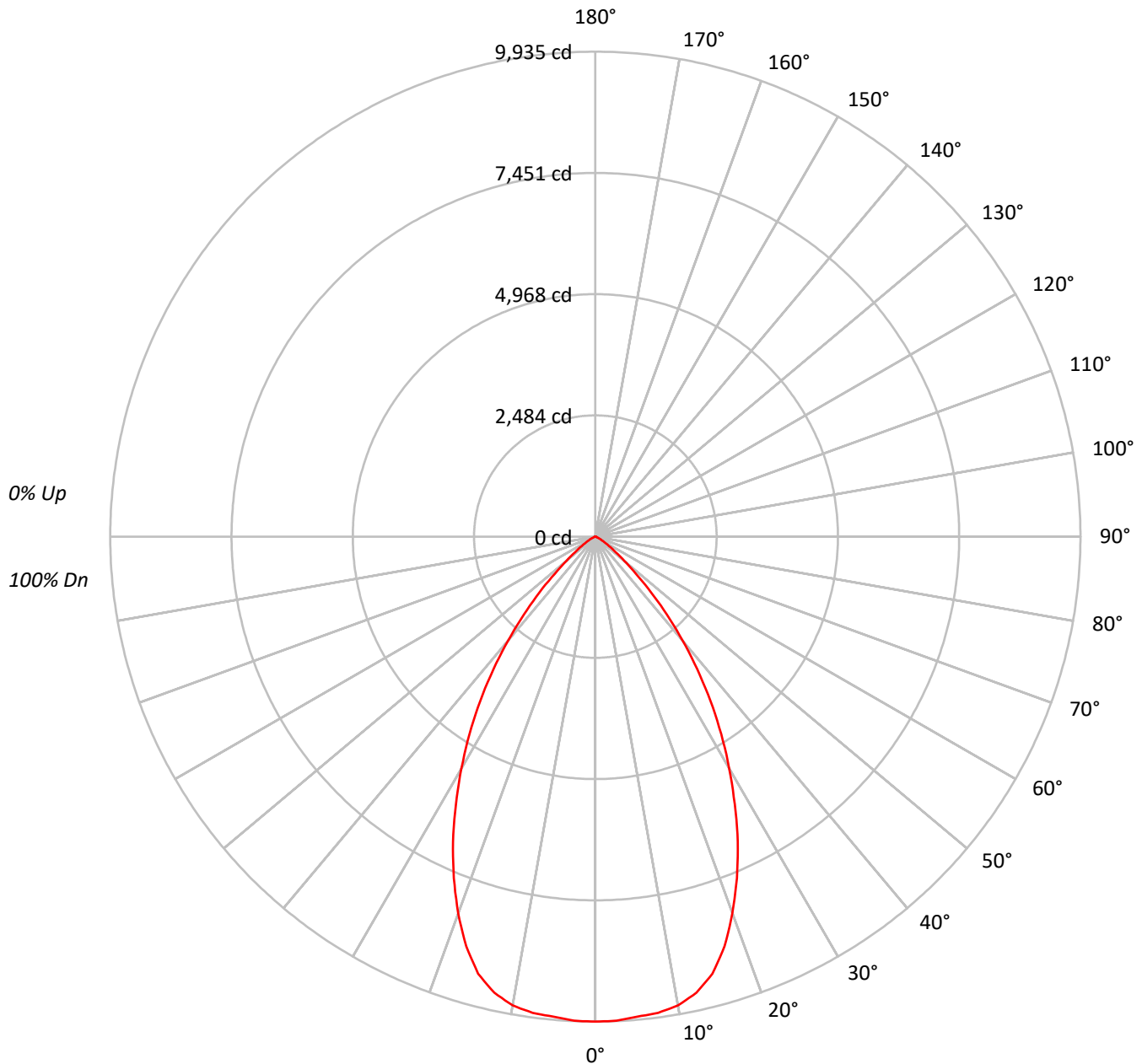


Downlight

TEST NUMBER: P774763

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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  |     |     |     |    | 0  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 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 | 100 |    |    |
| 1   | 113 | 110 | 107 | 105 | 111 | 108 | 105 | 103 | 104 | 102 | 100 | 100 | 99  | 97  | 97  | 95  | 94  | 93  |    |    |
| 2   | 107 | 102 | 97  | 94  | 105 | 100 | 96  | 92  | 97  | 93  | 90  | 94  | 91  | 88  | 91  | 89  | 87  | 85  |    |    |
| 3   | 101 | 94  | 88  | 84  | 99  | 92  | 87  | 83  | 90  | 86  | 82  | 87  | 84  | 81  | 85  | 82  | 80  | 78  |    |    |
| 4   | 95  | 87  | 81  | 76  | 93  | 86  | 80  | 76  | 84  | 79  | 75  | 82  | 77  | 74  | 80  | 76  | 73  | 72  |    |    |
| 5   | 90  | 81  | 74  | 70  | 88  | 80  | 74  | 69  | 78  | 73  | 69  | 76  | 72  | 68  | 75  | 71  | 68  | 66  |    |    |
| 6   | 85  | 75  | 69  | 64  | 83  | 74  | 68  | 64  | 73  | 67  | 63  | 71  | 67  | 63  | 70  | 66  | 62  | 61  |    |    |
| 7   | 80  | 70  | 64  | 59  | 79  | 69  | 63  | 59  | 68  | 63  | 59  | 67  | 62  | 58  | 66  | 61  | 58  | 56  |    |    |
| 8   | 76  | 66  | 59  | 55  | 75  | 65  | 59  | 55  | 64  | 58  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  |    |    |
| 9   | 72  | 61  | 55  | 51  | 71  | 61  | 55  | 51  | 60  | 54  | 51  | 59  | 54  | 50  | 58  | 54  | 50  | 49  |    |    |
| 10  | 68  | 58  | 52  | 47  | 67  | 57  | 51  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 55  | 50  | 47  | 46  |    |    |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 580254 |
| 5°  | 578789 |
| 10° | 578293 |
| 15° | 560466 |
| 20° | 510238 |
| 25° | 444640 |
| 30° | 369815 |
| 35° | 293027 |
| 40° | 211492 |
| 45° | 133615 |
| 50° | 69644  |
| 55° | 37013  |
| 60° | 19437  |
| 65° | 10696  |
| 70° | 4491   |
| 75° | 4942   |
| 80° | 3431   |
| 85° | 2948   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 133615 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 939.6   | 8.6       |
| 10°-20°   | 2572.9  | 23.5      |
| 20°-30°   | 3144.9  | 28.7      |
| 30°-40°   | 2551.7  | 23.3      |
| 40°-50°   | 1271.6  | 11.6      |
| 50°-60°   | 354.7   | 3.2       |
| 60°-70°   | 80.6    | 0.7       |
| 70°-80°   | 21.0    | 0.2       |
| 80°-90°   | 5.4     | 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°    | 6657.3  | 60.8      |
| 0°-40°    | 9209.0  | 84.2      |
| 0°-60°    | 10835.2 | 99.0      |
| 0°-90°    | 10942.2 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 10942.2 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 9935 |      |
| 5°  | 9872 | 940  |
| 15° | 9269 | 2573 |
| 25° | 6900 | 3145 |
| 35° | 4110 | 2552 |
| 45° | 1618 | 1272 |
| 55° | 364  | 355  |
| 65° | 77   | 81   |
| 75° | 22   | 21   |
| 85° | 4    | 5    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 9935.2 |
| 2.5°  | 9927.9 |
| 5°    | 9872.4 |
| 7.5°  | 9840.3 |
| 10°   | 9751.2 |
| 12.5° | 9570.2 |
| 15°   | 9269.4 |
| 17.5° | 8799.3 |
| 20°   | 8209.5 |
| 22.5° | 7572.9 |
| 25°   | 6899.9 |
| 27.5° | 6180.1 |
| 30°   | 5483.7 |
| 32.5° | 4796.1 |
| 35°   | 4109.9 |
| 37.5° | 3425.1 |
| 40°   | 2774.0 |
| 42.5° | 2163.7 |
| 45°   | 1617.7 |
| 47.5° | 1127.1 |
| 50°   | 766.5  |
| 52.5° | 528.5  |
| 55°   | 363.5  |
| 57.5° | 245.3  |
| 60°   | 166.4  |
| 62.5° | 115.3  |
| 65°   | 77.4   |
| 67.5° | 39.4   |
| 70°   | 26.3   |
| 72.5° | 24.8   |
| 75°   | 21.9   |
| 77.5° | 14.6   |
| 80°   | 10.2   |
| 82.5° | 7.3    |
| 85°   | 4.4    |
| 87.5° | 2.9    |
| 90°   | 0.0    |



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— 0°-180°







(END OF REPORT)