

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: P774752

Luminaire Tested: LD6D95BD010-EU6DR6570959030-6LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774752  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D95BD010-EU6DR6570959030-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7496.9 lumens  
Efficiency: N/A  
Efficacy: 75.6 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

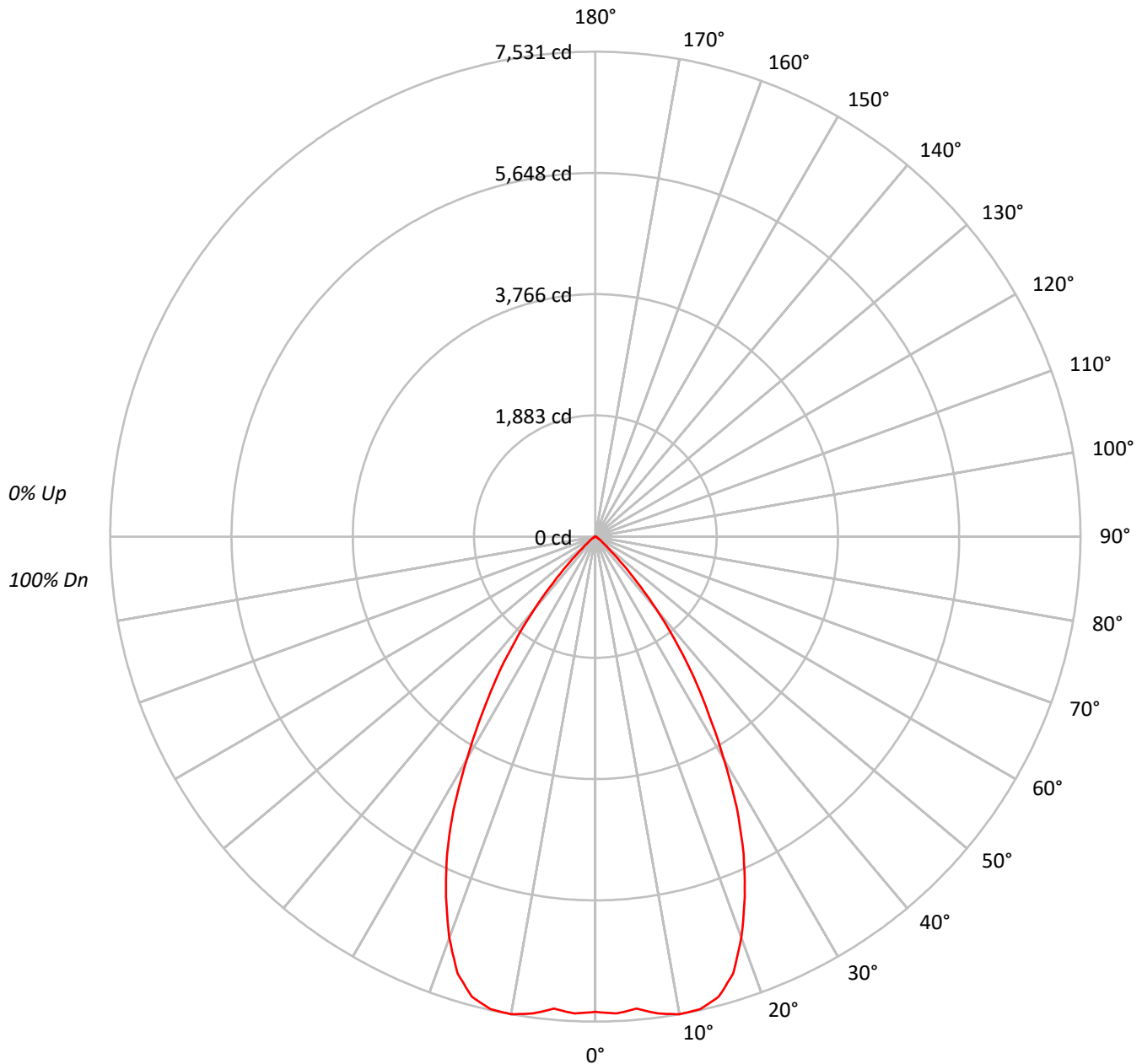
Input Watts (W): 99.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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   | 113 | 111 | 108 | 106 | 111 | 108 | 106 | 104 | 104 | 103 | 101 |  | 101 | 99  | 98  |  | 97  |
| 2   | 108 | 103 | 99  | 95  | 106 | 101 | 97  | 94  | 98  | 95  | 92  |  | 95  | 92  | 90  |  | 92  |
| 3   | 102 | 96  | 91  | 87  | 100 | 94  | 90  | 86  | 92  | 88  | 85  |  | 89  | 86  | 83  |  | 87  |
| 4   | 97  | 89  | 84  | 79  | 95  | 88  | 83  | 79  | 86  | 82  | 78  |  | 84  | 80  | 77  |  | 82  |
| 5   | 92  | 83  | 78  | 73  | 90  | 83  | 77  | 73  | 81  | 76  | 72  |  | 79  | 75  | 72  |  | 77  |
| 6   | 87  | 78  | 72  | 68  | 86  | 77  | 72  | 68  | 76  | 71  | 67  |  | 74  | 70  | 67  |  | 73  |
| 7   | 83  | 73  | 67  | 63  | 81  | 73  | 67  | 63  | 71  | 66  | 62  |  | 70  | 66  | 62  |  | 69  |
| 8   | 79  | 69  | 63  | 59  | 77  | 68  | 63  | 59  | 67  | 62  | 58  |  | 66  | 62  | 58  |  | 65  |
| 9   | 75  | 65  | 59  | 55  | 74  | 65  | 59  | 55  | 64  | 58  | 55  |  | 63  | 58  | 55  |  | 62  |
| 10  | 71  | 61  | 56  | 52  | 70  | 61  | 55  | 52  | 60  | 55  | 51  |  | 59  | 55  | 51  |  | 59  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 806475 |
| 5°  | 807143 |
| 10° | 835559 |
| 15° | 836950 |
| 20° | 770552 |
| 25° | 656547 |
| 30° | 502610 |
| 35° | 355092 |
| 40° | 209594 |
| 45° | 85093  |
| 50° | 30851  |
| 55° | 17182  |
| 60° | 9855   |
| 65° | 5429   |
| 70° | 5686   |
| 75° | 4433   |
| 80° | 4593   |
| 85° | 3886   |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 85093 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 710.7  | 9.5       |
| 10°-20°   | 2050.2 | 27.3      |
| 20°-30°   | 2459.8 | 32.8      |
| 30°-40°   | 1653.1 | 22.1      |
| 40°-50°   | 494.9  | 6.6       |
| 50°-60°   | 87.3   | 1.2       |
| 60°-70°   | 24.8   | 0.3       |
| 70°-80°   | 12.1   | 0.2       |
| 80°-90°   | 3.8    | 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°    | 5220.8 | 69.6      |
| 0°-40°    | 6873.9 | 91.7      |
| 0°-60°    | 7456.1 | 99.5      |
| 0°-90°    | 7496.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 7496.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7381 |      |
| 5°  | 7359 | 711  |
| 15° | 7399 | 2050 |
| 25° | 5446 | 2460 |
| 35° | 2662 | 1653 |
| 45° | 551  | 495  |
| 55° | 90   | 87   |
| 65° | 21   | 25   |
| 75° | 10   | 12   |
| 85° | 3    | 4    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 7381.2 |
| 2.5°  | 7412.7 |
| 5°    | 7359.2 |
| 7.5°  | 7470.4 |
| 10°   | 7531.2 |
| 12.5° | 7516.5 |
| 15°   | 7399.1 |
| 17.5° | 7111.7 |
| 20°   | 6627.1 |
| 22.5° | 6056.5 |
| 25°   | 5446.0 |
| 27.5° | 4756.8 |
| 30°   | 3983.8 |
| 32.5° | 3283.1 |
| 35°   | 2662.2 |
| 37.5° | 2048.5 |
| 40°   | 1469.5 |
| 42.5° | 959.8  |
| 45°   | 550.7  |
| 47.5° | 291.6  |
| 50°   | 181.5  |
| 52.5° | 125.9  |
| 55°   | 90.2   |
| 57.5° | 65.0   |
| 60°   | 45.1   |
| 62.5° | 29.4   |
| 65°   | 21.0   |
| 67.5° | 18.9   |
| 70°   | 17.8   |
| 72.5° | 13.6   |
| 75°   | 10.5   |
| 77.5° | 9.4    |
| 80°   | 7.3    |
| 82.5° | 5.2    |
| 85°   | 3.1    |
| 87.5° | 2.1    |
| 90°   | 0.0    |



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— 0°-180°







(END OF REPORT)