

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P685091

Luminaire Tested: **LX6C55D010 EX6559027 6LRMDLI**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P685091  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C55D010 EX6559027 6LRMDLI  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

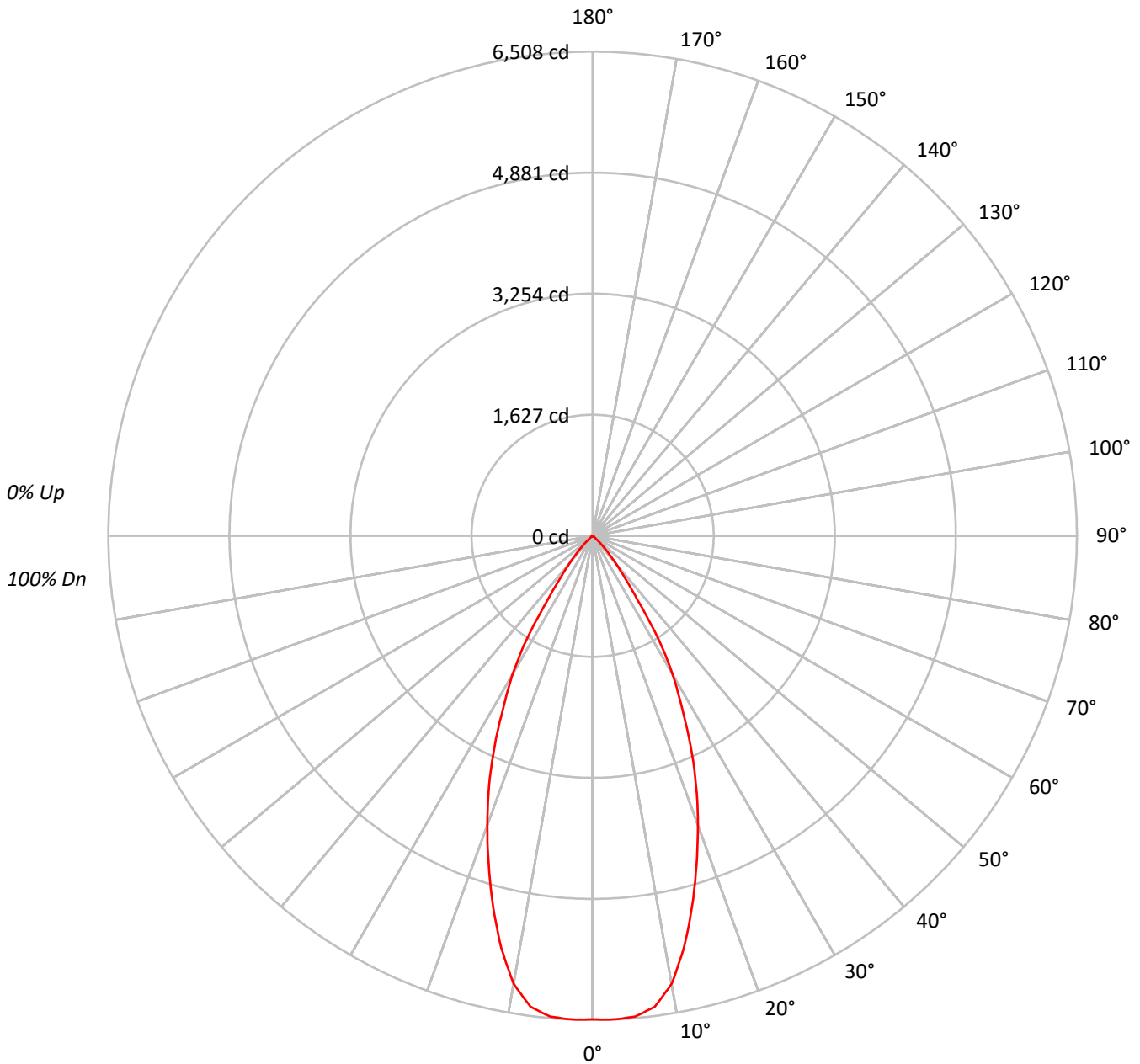
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4352.0 lumens  
Efficiency: N/A  
Efficacy: 68.1 lumens/watt  
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 63.9  
Input Voltage (V):  
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: 25 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  |     |    | 0  |   |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 0 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |   |
| 1   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 94  |    |    |   |
| 2   | 109 | 104 | 101 | 97  | 107 | 103 | 99  | 96  | 99  | 97  | 94  | 96  | 94  | 92  | 94  | 92  | 90  | 89  |    |    |   |
| 3   | 104 | 98  | 93  | 90  | 102 | 97  | 92  | 89  | 94  | 90  | 87  | 92  | 89  | 86  | 89  | 87  | 85  | 83  |    |    |   |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  | 87  | 83  | 81  | 85  | 82  | 80  | 78  |    |    |   |
| 5   | 95  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  | 83  | 79  | 76  | 81  | 78  | 75  | 74  |    |    |   |
| 6   | 90  | 82  | 77  | 73  | 89  | 81  | 76  | 72  | 80  | 75  | 72  | 79  | 74  | 71  | 77  | 74  | 71  | 70  |    |    |   |
| 7   | 86  | 78  | 72  | 68  | 85  | 77  | 72  | 68  | 76  | 71  | 68  | 75  | 71  | 67  | 74  | 70  | 67  | 66  |    |    |   |
| 8   | 83  | 74  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 64  | 70  | 66  | 63  | 62  |    |    |   |
| 9   | 79  | 70  | 65  | 61  | 78  | 70  | 64  | 61  | 69  | 64  | 61  | 68  | 63  | 60  | 67  | 63  | 60  | 59  |    |    |   |
| 10  | 76  | 67  | 61  | 58  | 75  | 66  | 61  | 58  | 65  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 57  | 56  |    |    |   |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 356342 |
| 5°  | 357032 |
| 10° | 340252 |
| 15° | 292976 |
| 20° | 241352 |
| 25° | 188509 |
| 30° | 136141 |
| 35° | 69720  |
| 40° | 33999  |
| 45° | 14125  |
| 50° | 2576   |
| 55° | 1491   |
| 60° | 976    |
| 65° | 726    |
| 70° | 545    |
| 75° | 466    |
| 80° | 347    |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 608.1  | 14.0      |
| 10°-20°   | 1430.8 | 32.9      |
| 20°-30°   | 1417.1 | 32.6      |
| 30°-40°   | 718.3  | 16.5      |
| 40°-50°   | 154.8  | 3.6       |
| 50°-60°   | 14.7   | 0.3       |
| 60°-70°   | 5.7    | 0.1       |
| 70°-80°   | 2.0    | 0.0       |
| 80°-90°   | 0.4    | 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°    | 3456.0 | 79.4      |
| 0°-40°    | 4174.3 | 95.9      |
| 0°-60°    | 4343.8 | 99.8      |
| 0°-90°    | 4352.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4352.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6500 |      |
| 5°  | 6488 | 608  |
| 15° | 5162 | 1431 |
| 25° | 3116 | 1417 |
| 35° | 1042 | 718  |
| 45° | 182  | 155  |
| 55° | 16   | 15   |
| 65° | 6    | 6    |
| 75° | 2    | 2    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 6500.2 |
| 2.5°  | 6508.1 |
| 5°    | 6488.0 |
| 7.5°  | 6386.2 |
| 10°   | 6112.4 |
| 12.5° | 5671.9 |
| 15°   | 5162.2 |
| 17.5° | 4640.2 |
| 20°   | 4137.1 |
| 22.5° | 3634.1 |
| 25°   | 3116.5 |
| 27.5° | 2588.9 |
| 30°   | 2150.7 |
| 32.5° | 1656.6 |
| 35°   | 1041.8 |
| 37.5° | 700.9  |
| 40°   | 475.1  |
| 42.5° | 307.4  |
| 45°   | 182.2  |
| 47.5° | 81.6   |
| 50°   | 30.2   |
| 52.5° | 20.1   |
| 55°   | 15.6   |
| 57.5° | 11.2   |
| 60°   | 8.9    |
| 62.5° | 6.7    |
| 65°   | 5.6    |
| 67.5° | 4.5    |
| 70°   | 3.4    |
| 72.5° | 2.2    |
| 75°   | 2.2    |
| 77.5° | 1.1    |
| 80°   | 1.1    |
| 82.5° | 1.1    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)