

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: P856670

Luminaire Tested: **LD6C75D010 EU6759035 6LBWLI**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P856670  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205209)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C75D010 EU6759035 6LBWLI  
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

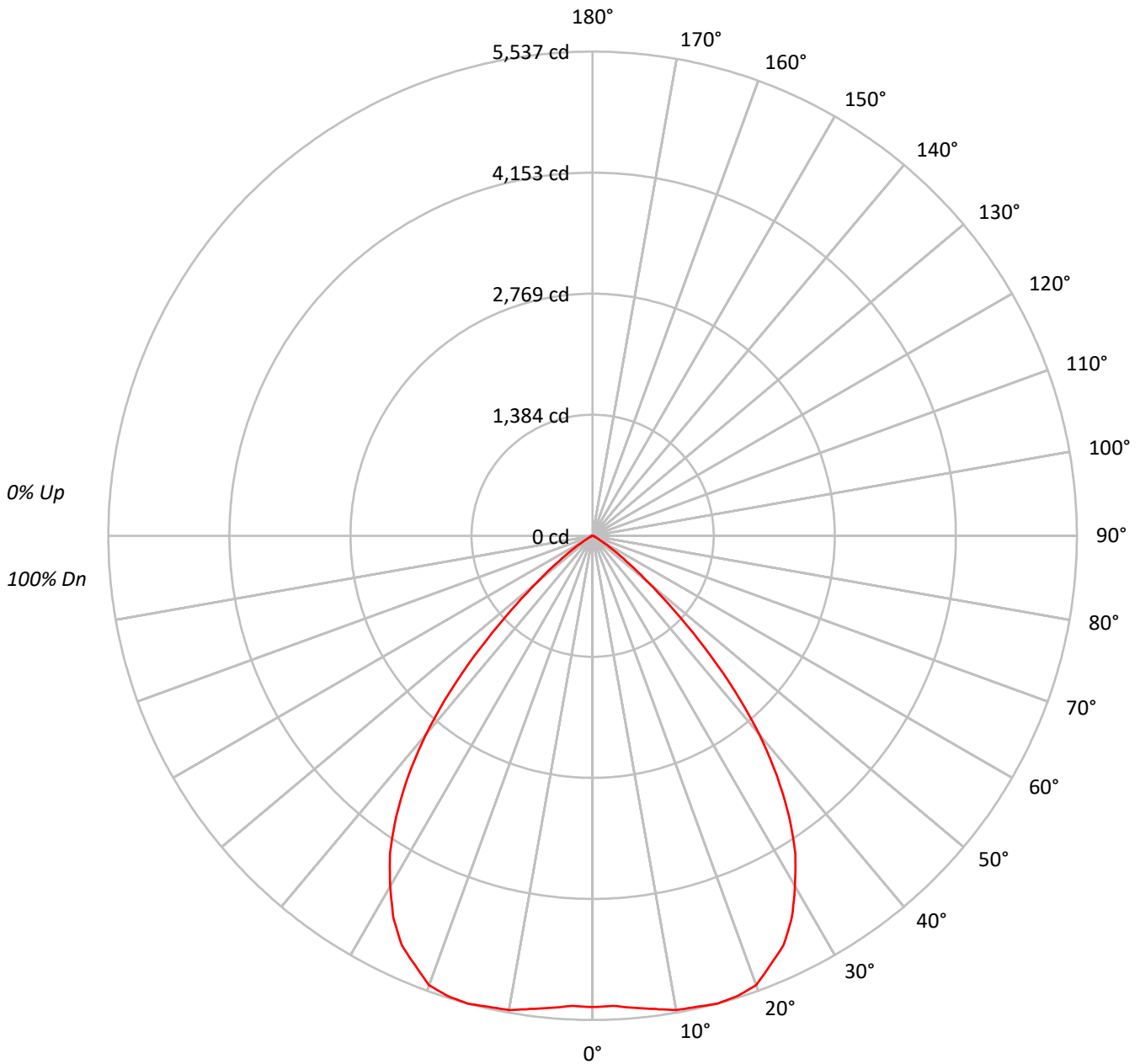
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8628.0 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.18  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 81.5  
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 |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| RC  | 80  |     |     |     |     |     |     |     |     | 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 | 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   | 113 | 110 | 107 | 104 | 110 | 107 | 105 | 103 | 103 | 101 | 99  | 100 | 98  | 97  | 96  | 95  | 94  | 92  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| 2   | 106 | 101 | 96  | 92  | 104 | 99  | 95  | 91  | 95  | 92  | 89  | 92  | 90  | 87  | 90  | 87  | 85  | 83  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| 3   | 100 | 92  | 87  | 82  | 97  | 91  | 86  | 81  | 88  | 84  | 80  | 86  | 82  | 79  | 83  | 80  | 77  | 76  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| 4   | 93  | 85  | 78  | 73  | 92  | 84  | 78  | 73  | 81  | 76  | 72  | 79  | 75  | 71  | 77  | 74  | 70  | 69  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| 5   | 88  | 78  | 71  | 66  | 86  | 77  | 71  | 66  | 75  | 70  | 65  | 73  | 69  | 65  | 72  | 68  | 64  | 63  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 65  | 60  | 70  | 64  | 59  | 68  | 63  | 59  | 67  | 62  | 59  | 57  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| 7   | 77  | 67  | 60  | 55  | 76  | 66  | 59  | 55  | 65  | 59  | 54  | 63  | 58  | 54  | 62  | 57  | 54  | 52  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| 8   | 73  | 62  | 55  | 50  | 71  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 58  | 53  | 49  | 48  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| 9   | 69  | 57  | 51  | 46  | 67  | 57  | 50  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 46  | 44  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |
| 10  | 65  | 54  | 47  | 43  | 64  | 53  | 47  | 42  | 52  | 46  | 42  | 51  | 46  | 42  | 51  | 46  | 42  | 41  |    |    |    |    |    |    |    |    |    |    |    |   |  |  |  |  |  |  |   |  |  |  |  |  |  |  |  |

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

|     | 0°     |
|-----|--------|
| 0°  | 295486 |
| 5°  | 298222 |
| 10° | 306569 |
| 15° | 314236 |
| 20° | 319006 |
| 25° | 312417 |
| 30° | 292906 |
| 35° | 261877 |
| 40° | 212112 |
| 45° | 140309 |
| 50° | 70923  |
| 55° | 29925  |
| 60° | 9637   |
| 65° | 3788   |
| 70° | 3158   |
| 75° | 2076   |
| 80° | 0      |
| 85° | 0      |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 520.0  | 6.0       |
| 10°-20°   | 1562.9 | 18.1      |
| 20°-30°   | 2356.0 | 27.3      |
| 30°-40°   | 2411.5 | 27.9      |
| 40°-50°   | 1404.8 | 16.3      |
| 50°-60°   | 322.8  | 3.7       |
| 60°-70°   | 39.6   | 0.5       |
| 70°-80°   | 10.3   | 0.1       |
| 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°    | 4438.9 | 51.4      |
| 0°-40°    | 6850.4 | 79.4      |
| 0°-60°    | 8578.0 | 99.4      |
| 0°-90°    | 8628.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 8628.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 5390 |      |
| 5°  | 5419 | 520  |
| 15° | 5537 | 1563 |
| 25° | 5165 | 2356 |
| 35° | 3913 | 2411 |
| 45° | 1810 | 1405 |
| 55° | 313  | 323  |
| 65° | 29   | 40   |
| 75° | 10   | 10   |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

| 0°    |        |
|-------|--------|
| 0°    | 5390.1 |
| 2.5°  | 5380.3 |
| 5°    | 5419.3 |
| 7.5°  | 5458.4 |
| 10°   | 5507.3 |
| 12.5° | 5517.1 |
| 15°   | 5536.8 |
| 17.5° | 5517.1 |
| 20°   | 5468.2 |
| 22.5° | 5311.7 |
| 25°   | 5165.0 |
| 27.5° | 4930.4 |
| 30°   | 4627.2 |
| 32.5° | 4314.1 |
| 35°   | 3913.1 |
| 37.5° | 3462.8 |
| 40°   | 2964.0 |
| 42.5° | 2406.4 |
| 45°   | 1809.8 |
| 47.5° | 1261.8 |
| 50°   | 831.6  |
| 52.5° | 528.4  |
| 55°   | 313.1  |
| 57.5° | 166.4  |
| 60°   | 87.9   |
| 62.5° | 48.9   |
| 65°   | 29.2   |
| 67.5° | 29.2   |
| 70°   | 19.7   |
| 72.5° | 9.8    |
| 75°   | 9.8    |
| 77.5° | 9.8    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |



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— 0°-180°







(END OF REPORT)