

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: P684919

Luminaire Tested: **LX6C25D010 EX6259030 6LBSLI**

Issue Date: 2/15/2022

**Test Information**

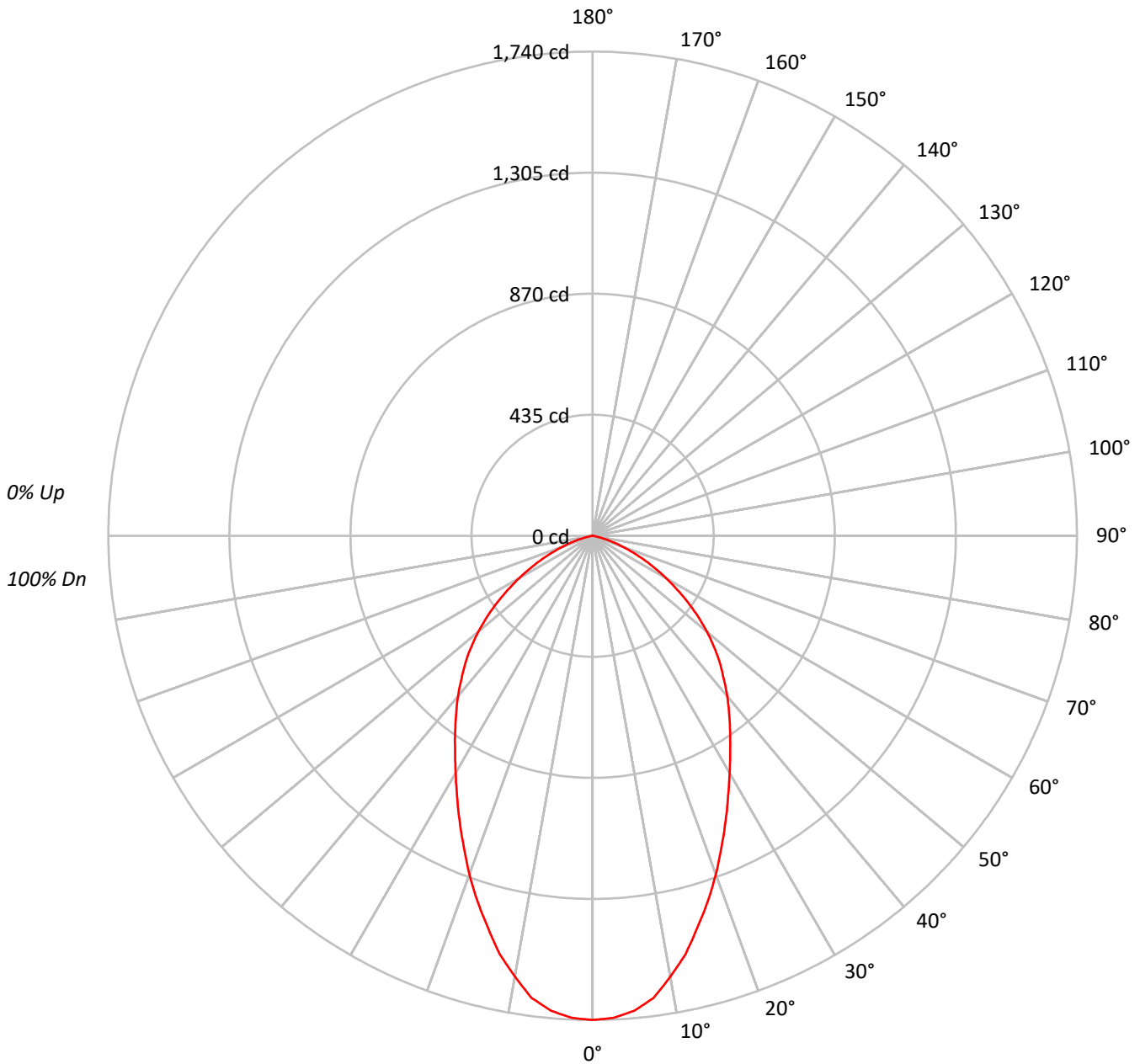
Test Method: LM-79-08  
Report Number: P684919  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C25D010 EX6259030 6LBSLI  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2757.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 1.04  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.5  
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  |     |     |     | 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 |    |    | 100 |
| 1   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99  | 101 | 99  | 96  | 97  | 95  | 93  | 94  | 92  | 91  | 89  |    |    | 89  |
| 2   | 103 | 96  | 91  | 86  | 100 | 94  | 89  | 85  | 91  | 87  | 83  | 88  | 84  | 81  | 85  | 82  | 79  | 77  |    |    | 77  |
| 3   | 95  | 86  | 79  | 74  | 93  | 85  | 78  | 73  | 82  | 76  | 72  | 79  | 75  | 71  | 77  | 73  | 70  | 68  |    |    | 68  |
| 4   | 88  | 78  | 70  | 64  | 86  | 77  | 69  | 64  | 74  | 68  | 63  | 72  | 67  | 62  | 70  | 65  | 62  | 60  |    |    | 60  |
| 5   | 82  | 71  | 63  | 57  | 80  | 70  | 62  | 57  | 67  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 53  |    |    | 53  |
| 6   | 76  | 64  | 56  | 51  | 74  | 63  | 56  | 51  | 62  | 55  | 50  | 60  | 54  | 50  | 59  | 53  | 49  | 47  |    |    | 47  |
| 7   | 71  | 59  | 51  | 46  | 70  | 58  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 45  | 54  | 49  | 45  | 43  |    |    | 43  |
| 8   | 67  | 54  | 47  | 41  | 65  | 54  | 46  | 41  | 52  | 46  | 41  | 51  | 45  | 41  | 50  | 45  | 41  | 39  |    |    | 39  |
| 9   | 63  | 50  | 43  | 38  | 61  | 50  | 43  | 38  | 49  | 42  | 38  | 48  | 42  | 37  | 47  | 41  | 37  | 36  |    |    | 36  |
| 10  | 59  | 47  | 40  | 35  | 58  | 46  | 39  | 35  | 45  | 39  | 35  | 45  | 39  | 34  | 44  | 38  | 34  | 33  |    |    | 33  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 95376 |
| 5°  | 94288 |
| 10° | 89511 |
| 15° | 82617 |
| 20° | 75525 |
| 25° | 68387 |
| 30° | 62294 |
| 35° | 57627 |
| 40° | 53865 |
| 45° | 50184 |
| 50° | 45713 |
| 55° | 40027 |
| 60° | 33396 |
| 65° | 26216 |
| 70° | 18304 |
| 75° | 9913  |
| 80° | 1863  |
| 85° | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 160.3  | 5.8       |
| 10°-20°   | 408.1  | 14.8      |
| 20°-30°   | 520.5  | 18.9      |
| 30°-40°   | 539.7  | 19.6      |
| 40°-50°   | 497.3  | 18.0      |
| 50°-60°   | 374.1  | 13.6      |
| 60°-70°   | 201.9  | 7.3       |
| 70°-80°   | 54.2   | 2.0       |
| 80°-90°   | 0.8    | 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°    | 1088.9 | 39.5      |
| 0°-40°    | 1628.7 | 59.1      |
| 0°-60°    | 2500.1 | 90.7      |
| 0°-90°    | 2757.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2757.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1740 |      |
| 5°  | 1713 | 160  |
| 15° | 1456 | 408  |
| 25° | 1131 | 520  |
| 35° | 861  | 540  |
| 45° | 647  | 497  |
| 55° | 419  | 374  |
| 65° | 202  | 202  |
| 75° | 47   | 54   |
| 85° | 0    | 1    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1739.8 |
| 2.5°  | 1734.0 |
| 5°    | 1713.4 |
| 7.5°  | 1675.4 |
| 10°   | 1608.0 |
| 12.5° | 1540.7 |
| 15°   | 1455.7 |
| 17.5° | 1376.6 |
| 20°   | 1294.6 |
| 22.5° | 1209.7 |
| 25°   | 1130.6 |
| 27.5° | 1054.4 |
| 30°   | 984.1  |
| 32.5° | 919.7  |
| 35°   | 861.1  |
| 37.5° | 805.5  |
| 40°   | 752.7  |
| 42.5° | 697.1  |
| 45°   | 647.3  |
| 47.5° | 591.7  |
| 50°   | 536.0  |
| 52.5° | 477.4  |
| 55°   | 418.8  |
| 57.5° | 360.3  |
| 60°   | 304.6  |
| 62.5° | 251.9  |
| 65°   | 202.1  |
| 67.5° | 155.2  |
| 70°   | 114.2  |
| 72.5° | 79.1   |
| 75°   | 46.8   |
| 77.5° | 20.5   |
| 80°   | 5.9    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)