

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: P684898

Luminaire Tested: **LX6C20D010 EX6209035 6LBSLI**

Issue Date: 2/15/2022



**Test Information**

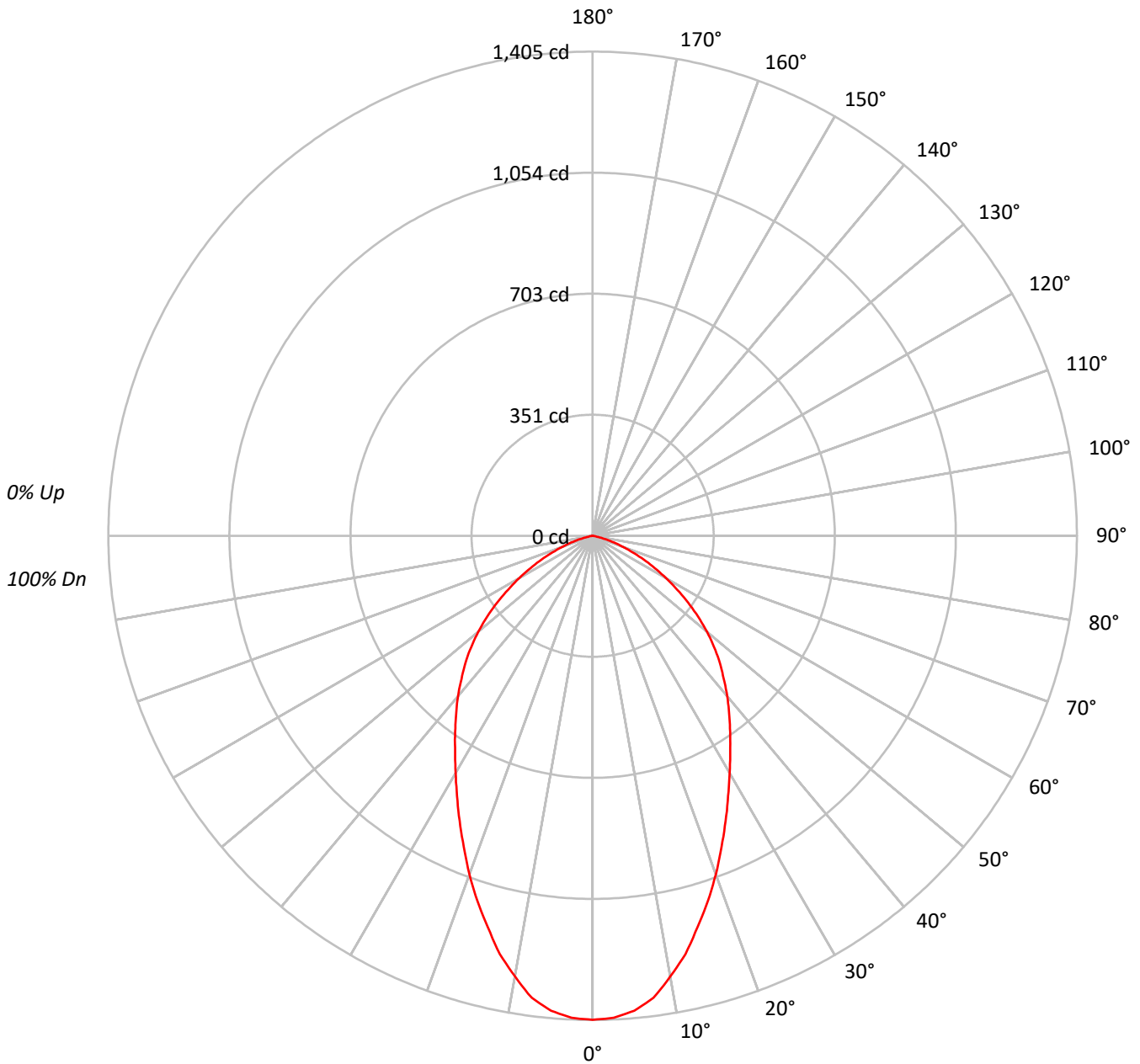
Test Method: LM-79-08  
Report Number: P684898  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205419)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C20D010 EX6209035 6LBSLI  
Description: 6 INCH 2000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LBS TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2226.1 lumens  
Efficiency: N/A  
Efficacy: 102.1 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): 21.8  
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°  | 77006 |
| 5°  | 76128 |
| 10° | 72271 |
| 15° | 66703 |
| 20° | 60981 |
| 25° | 55213 |
| 30° | 50299 |
| 35° | 46532 |
| 40° | 43496 |
| 45° | 40516 |
| 50° | 36911 |
| 55° | 32324 |
| 60° | 26961 |
| 65° | 21170 |
| 70° | 14778 |
| 75° | 8006  |
| 80° | 1515  |
| 85° | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 129.4  | 5.8       |
| 10°-20°   | 329.5  | 14.8      |
| 20°-30°   | 420.2  | 18.9      |
| 30°-40°   | 435.8  | 19.6      |
| 40°-50°   | 401.6  | 18.0      |
| 50°-60°   | 302.1  | 13.6      |
| 60°-70°   | 163.0  | 7.3       |
| 70°-80°   | 43.7   | 2.0       |
| 80°-90°   | 0.7    | 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°    | 879.2  | 39.5      |
| 0°-40°    | 1315.0 | 59.1      |
| 0°-60°    | 2018.6 | 90.7      |
| 0°-90°    | 2226.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 2226.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1405 |      |
| 5°  | 1383 | 129  |
| 15° | 1175 | 330  |
| 25° | 913  | 420  |
| 35° | 695  | 436  |
| 45° | 523  | 402  |
| 55° | 338  | 302  |
| 65° | 163  | 163  |
| 75° | 38   | 44   |
| 85° | 0    | 1    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1404.7 |
| 2.5°  | 1400.0 |
| 5°    | 1383.4 |
| 7.5°  | 1352.7 |
| 10°   | 1298.3 |
| 12.5° | 1243.9 |
| 15°   | 1175.3 |
| 17.5° | 1111.5 |
| 20°   | 1045.3 |
| 22.5° | 976.7  |
| 25°   | 912.8  |
| 27.5° | 851.4  |
| 30°   | 794.6  |
| 32.5° | 742.6  |
| 35°   | 695.3  |
| 37.5° | 650.3  |
| 40°   | 607.8  |
| 42.5° | 562.9  |
| 45°   | 522.6  |
| 47.5° | 477.7  |
| 50°   | 432.8  |
| 52.5° | 385.5  |
| 55°   | 338.2  |
| 57.5° | 290.9  |
| 60°   | 245.9  |
| 62.5° | 203.4  |
| 65°   | 163.2  |
| 67.5° | 125.3  |
| 70°   | 92.2   |
| 72.5° | 63.9   |
| 75°   | 37.8   |
| 77.5° | 16.5   |
| 80°   | 4.8    |
| 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)