

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: P839443

Luminaire Tested: **LD6C08D010 EU6089035 6LCSQWLI**

Issue Date: 6/29/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P839443  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/29/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C08D010 EU6089035 6LCSQWLI  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

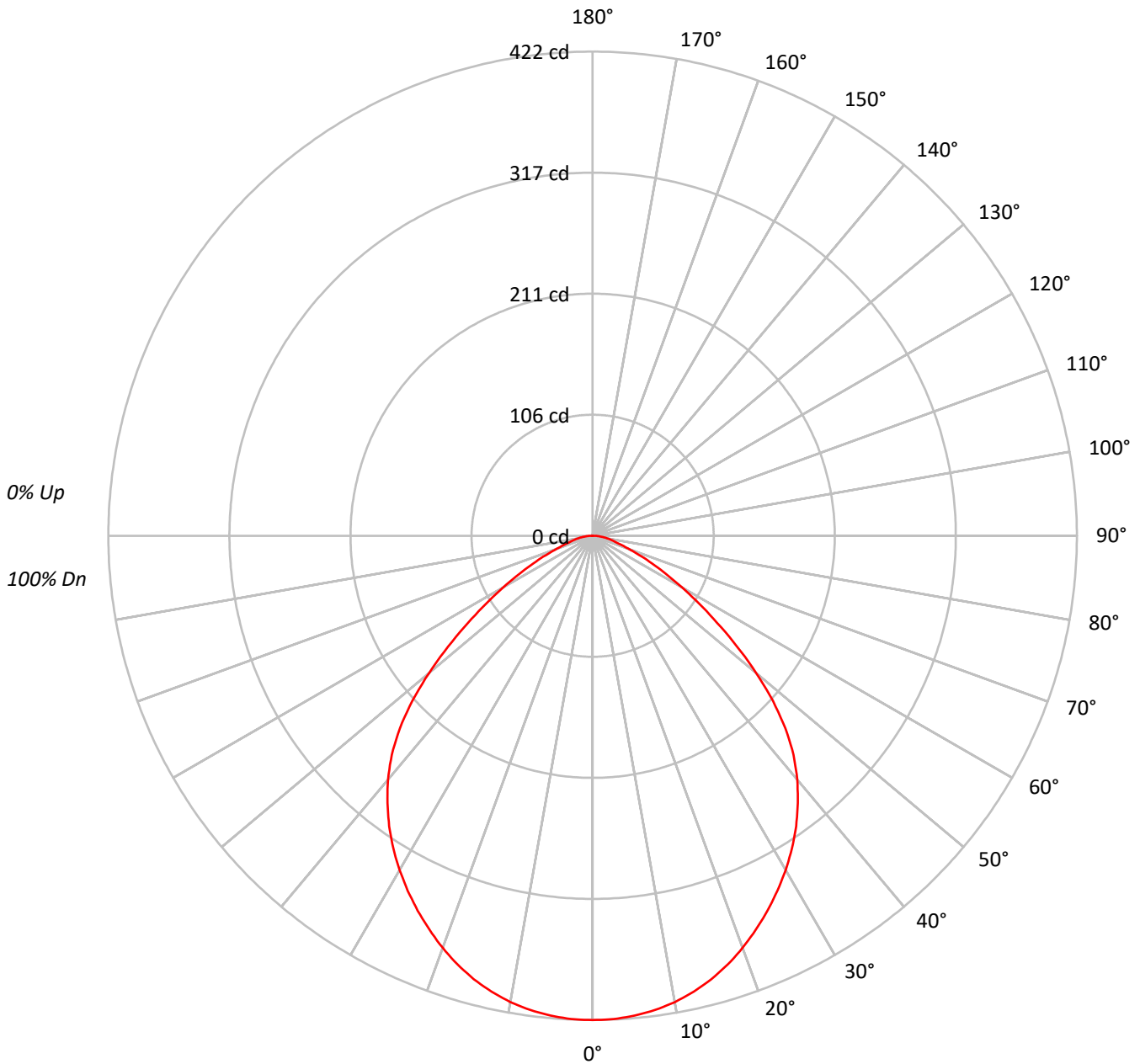
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 900.0 lumens  
Efficiency: N/A  
Efficacy: 90.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.29  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9.9  
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

TEST NUMBER: P839443

CATALOG NUMBER: LD6C08D010 EU6089035 6LCSQWLI

### Luminous Intensity Polar Plot





TEST NUMBER: P839443

CATALOG NUMBER: LD6C08D010 EU6089035 6LCSQWLI

**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 | 103 | 100 | 108 | 105 | 101 | 98  | 100 | 98  | 95  | 97  | 94  | 92  | 93  | 91  | 90  | 88  |    |    | 88  |
| 2   | 102 | 95  | 89  | 85  | 100 | 93  | 88  | 84  | 90  | 86  | 82  | 87  | 83  | 80  | 84  | 81  | 78  | 76  |    |    | 76  |
| 3   | 94  | 85  | 78  | 72  | 92  | 84  | 77  | 72  | 81  | 75  | 71  | 78  | 73  | 69  | 76  | 72  | 68  | 66  |    |    | 66  |
| 4   | 87  | 77  | 69  | 63  | 85  | 75  | 68  | 62  | 73  | 67  | 62  | 71  | 65  | 61  | 69  | 64  | 60  | 58  |    |    | 58  |
| 5   | 81  | 69  | 61  | 55  | 79  | 68  | 60  | 55  | 66  | 59  | 54  | 64  | 58  | 54  | 62  | 57  | 53  | 51  |    |    | 51  |
| 6   | 75  | 63  | 55  | 49  | 73  | 62  | 54  | 49  | 60  | 53  | 48  | 59  | 52  | 48  | 57  | 52  | 47  | 46  |    |    | 46  |
| 7   | 70  | 57  | 49  | 44  | 68  | 57  | 49  | 43  | 55  | 48  | 43  | 54  | 47  | 43  | 52  | 47  | 43  | 41  |    |    | 41  |
| 8   | 65  | 53  | 45  | 39  | 64  | 52  | 44  | 39  | 51  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 38  | 37  |    |    | 37  |
| 9   | 61  | 48  | 41  | 36  | 60  | 48  | 41  | 35  | 47  | 40  | 35  | 46  | 40  | 35  | 45  | 39  | 35  | 33  |    |    | 33  |
| 10  | 57  | 45  | 37  | 32  | 56  | 44  | 37  | 32  | 43  | 37  | 32  | 42  | 36  | 32  | 42  | 36  | 32  | 30  |    |    | 30  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 18174 |
| 5°  | 18144 |
| 10° | 18043 |
| 15° | 17834 |
| 20° | 17512 |
| 25° | 17131 |
| 30° | 16725 |
| 35° | 16247 |
| 40° | 15591 |
| 45° | 14467 |
| 50° | 12459 |
| 55° | 9939  |
| 60° | 7741  |
| 65° | 5797  |
| 70° | 4205  |
| 75° | 3327  |
| 80° | 3124  |
| 85° | 3112  |



TEST NUMBER: P839443

CATALOG NUMBER: LD6C08D010 EU6089035 6LCSQWLI

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 39.9   | 4.4       |
| 10°-20°   | 112.7  | 12.5      |
| 20°-30°   | 166.1  | 18.5      |
| 30°-40°   | 192.9  | 21.4      |
| 40°-50°   | 181.3  | 20.1      |
| 50°-60°   | 120.0  | 13.3      |
| 60°-70°   | 57.8   | 6.4       |
| 70°-80°   | 22.3   | 2.5       |
| 80°-90°   | 7.0    | 0.8       |
| 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°    | 318.6  | 35.4      |
| 0°-40°    | 511.5  | 56.8      |
| 0°-60°    | 812.8  | 90.3      |
| 0°-90°    | 900.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 900.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 422 |      |
| 5°  | 420 | 40   |
| 15° | 400 | 113  |
| 25° | 361 | 166  |
| 35° | 309 | 193  |
| 45° | 238 | 181  |
| 55° | 132 | 120  |
| 65° | 57  | 58   |
| 75° | 20  | 22   |
| 85° | 6   | 7    |
| 90° | 0   |      |



TEST NUMBER: P839443

CATALOG NUMBER: LD6C08D010 EU6089035 6LCSQWLI

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 422.1 |
| 2.5°  | 421.7 |
| 5°    | 419.8 |
| 7.5°  | 416.9 |
| 10°   | 412.7 |
| 12.5° | 407.0 |
| 15°   | 400.1 |
| 17.5° | 391.8 |
| 20°   | 382.2 |
| 22.5° | 371.7 |
| 25°   | 360.6 |
| 27.5° | 348.8 |
| 30°   | 336.4 |
| 32.5° | 323.2 |
| 35°   | 309.1 |
| 37.5° | 293.7 |
| 40°   | 277.4 |
| 42.5° | 259.1 |
| 45°   | 237.6 |
| 47.5° | 213.1 |
| 50°   | 186.0 |
| 52.5° | 158.6 |
| 55°   | 132.4 |
| 57.5° | 109.9 |
| 60°   | 89.9  |
| 62.5° | 71.9  |
| 65°   | 56.9  |
| 67.5° | 44.1  |
| 70°   | 33.4  |
| 72.5° | 25.4  |
| 75°   | 20.0  |
| 77.5° | 16.2  |
| 80°   | 12.6  |
| 82.5° | 9.4   |
| 85°   | 6.3   |
| 87.5° | 3.6   |
| 90°   | 0.0   |



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)