

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: P684650

Luminaire Tested: **LX6C80D010 EX6C809030 6LBWH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684650  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C80D010 EX6C809030 6LBWH  
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

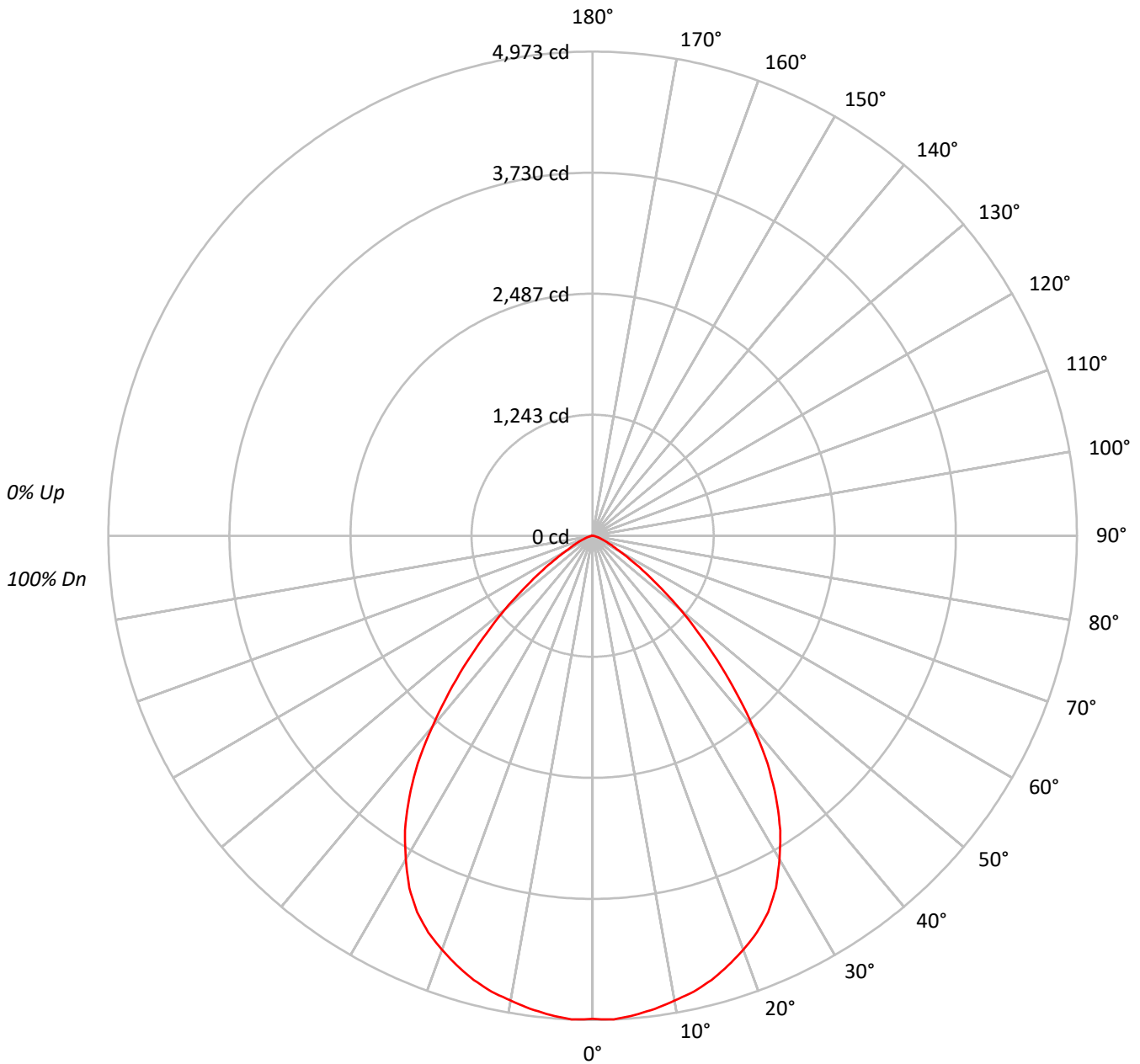
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8046.1 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 89.5  
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   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 101 | 103 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  | 91  |    |    | 91  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 85  | 83  | 81  |    |    | 81  |
| 3   | 98  | 90  | 84  | 79  | 96  | 89  | 83  | 78  | 86  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 73  |    |    | 73  |
| 4   | 92  | 82  | 75  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 65  |    |    | 65  |
| 5   | 86  | 75  | 68  | 63  | 84  | 74  | 68  | 63  | 72  | 66  | 62  | 71  | 65  | 61  | 69  | 64  | 61  | 59  |    |    | 59  |
| 6   | 80  | 69  | 62  | 57  | 78  | 68  | 61  | 56  | 67  | 61  | 56  | 65  | 60  | 56  | 64  | 59  | 55  | 53  |    |    | 53  |
| 7   | 75  | 64  | 56  | 51  | 73  | 63  | 56  | 51  | 62  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 50  | 49  |    |    | 49  |
| 8   | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 44  |    |    | 44  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 47  | 43  | 53  | 47  | 43  | 52  | 47  | 42  | 51  | 46  | 42  | 41  |    |    | 41  |
| 10  | 62  | 51  | 44  | 40  | 61  | 50  | 44  | 39  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 38  |    |    | 38  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 272045 |
| 5°  | 271951 |
| 10° | 269857 |
| 15° | 268049 |
| 20° | 263964 |
| 25° | 257936 |
| 30° | 242860 |
| 35° | 219789 |
| 40° | 183530 |
| 45° | 140627 |
| 50° | 99596  |
| 55° | 62793  |
| 60° | 35425  |
| 65° | 22999  |
| 70° | 15019  |
| 75° | 11035  |
| 80° | 6630   |
| 85° | 6604   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 468.7  | 5.8       |
| 10°-20°   | 1330.0 | 16.5      |
| 20°-30°   | 1950.1 | 24.2      |
| 30°-40°   | 2029.5 | 25.2      |
| 40°-50°   | 1404.1 | 17.5      |
| 50°-60°   | 611.4  | 7.6       |
| 60°-70°   | 187.5  | 2.3       |
| 70°-80°   | 56.2   | 0.7       |
| 80°-90°   | 8.6    | 0.1       |
| 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°    | 3748.7 | 46.6      |
| 0°-40°    | 5778.3 | 71.8      |
| 0°-60°    | 7793.8 | 96.9      |
| 0°-90°    | 8046.1 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 8046.1 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 4962 |      |
| 5°  | 4942 | 469  |
| 15° | 4723 | 1330 |
| 25° | 4264 | 1950 |
| 35° | 3284 | 2030 |
| 45° | 1814 | 1404 |
| 55° | 657  | 611  |
| 65° | 177  | 188  |
| 75° | 52   | 56   |
| 85° | 10   | 9    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 4962.5 |
| 2.5°  | 4973.0 |
| 5°    | 4941.9 |
| 7.5°  | 4900.3 |
| 10°   | 4847.8 |
| 12.5° | 4795.7 |
| 15°   | 4723.0 |
| 17.5° | 4628.9 |
| 20°   | 4524.7 |
| 22.5° | 4410.1 |
| 25°   | 4264.3 |
| 27.5° | 4076.5 |
| 30°   | 3836.6 |
| 32.5° | 3586.3 |
| 35°   | 3284.2 |
| 37.5° | 2950.7 |
| 40°   | 2564.6 |
| 42.5° | 2179.0 |
| 45°   | 1813.9 |
| 47.5° | 1469.9 |
| 50°   | 1167.8 |
| 52.5° | 886.4  |
| 55°   | 657.0  |
| 57.5° | 469.2  |
| 60°   | 323.1  |
| 62.5° | 239.9  |
| 65°   | 177.3  |
| 67.5° | 135.7  |
| 70°   | 93.7   |
| 72.5° | 73.1   |
| 75°   | 52.1   |
| 77.5° | 31.1   |
| 80°   | 21.0   |
| 82.5° | 10.5   |
| 85°   | 10.5   |
| 87.5° | 0.0    |
| 90°   | 0.0    |



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)