

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: P684221

Luminaire Tested: **LX6C35D010 EX6C359030 6LBWH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684221  
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: LX6C35D010 EX6C359030 6LBWH  
Description: 6 INCH 3500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

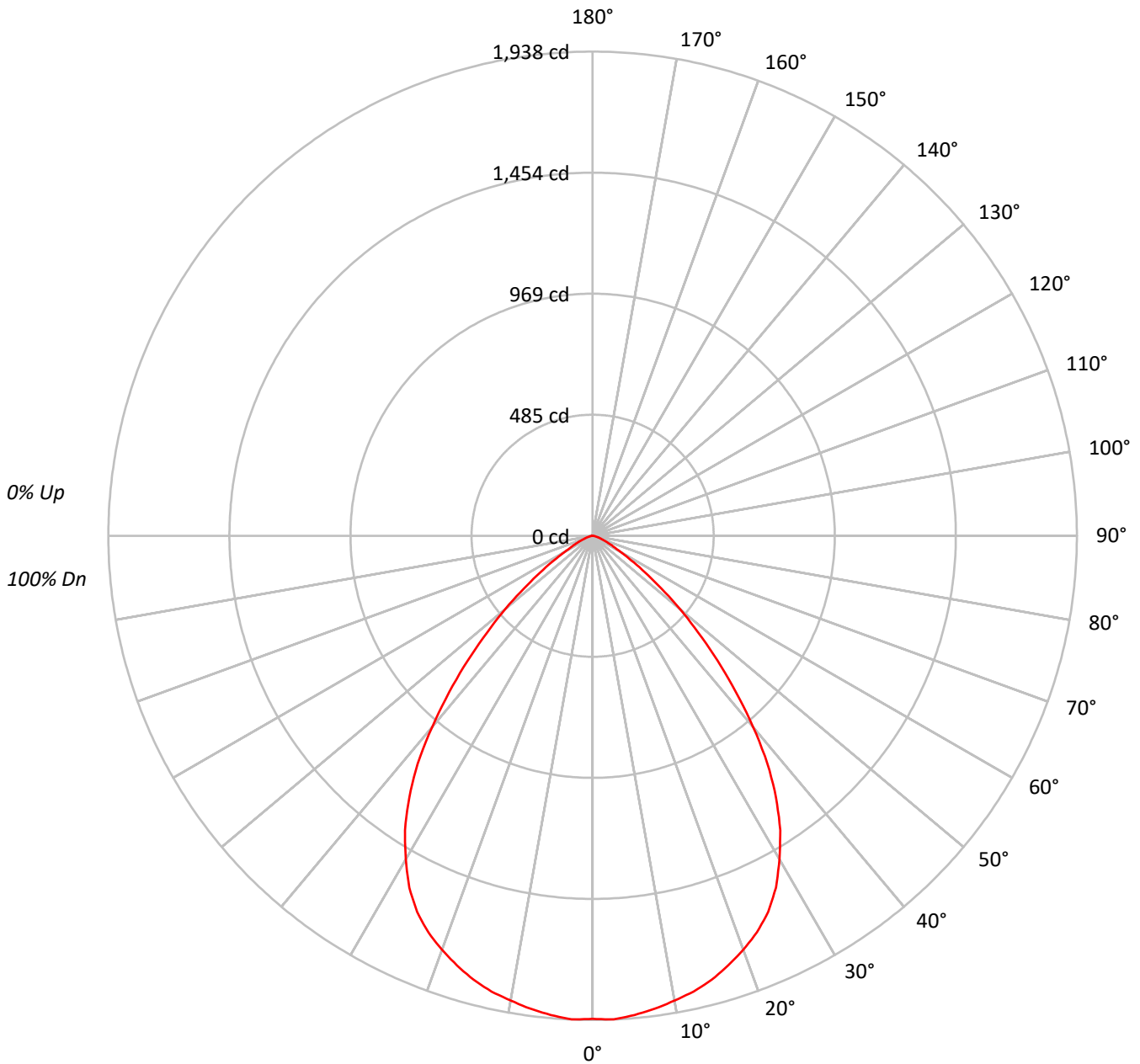
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3135.0 lumens  
Efficiency: N/A  
Efficacy: 77.6 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): 40.4  
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°  | 106000 |
| 5°  | 105959 |
| 10° | 105147 |
| 15° | 104439 |
| 20° | 102851 |
| 25° | 100500 |
| 30° | 94628  |
| 35° | 85635  |
| 40° | 71513  |
| 45° | 54796  |
| 50° | 38805  |
| 55° | 24467  |
| 60° | 13804  |
| 65° | 8963   |
| 70° | 5850   |
| 75° | 4300   |
| 80° | 2589   |
| 85° | 2579   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 182.6  | 5.8       |
| 10°-20°   | 518.2  | 16.5      |
| 20°-30°   | 759.8  | 24.2      |
| 30°-40°   | 790.8  | 25.2      |
| 40°-50°   | 547.1  | 17.5      |
| 50°-60°   | 238.2  | 7.6       |
| 60°-70°   | 73.1   | 2.3       |
| 70°-80°   | 21.9   | 0.7       |
| 80°-90°   | 3.3    | 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°    | 1460.6 | 46.6      |
| 0°-40°    | 2251.4 | 71.8      |
| 0°-60°    | 3036.7 | 96.9      |
| 0°-90°    | 3135.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3135.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1934 |      |
| 5°  | 1926 | 183  |
| 15° | 1840 | 518  |
| 25° | 1662 | 760  |
| 35° | 1280 | 791  |
| 45° | 707  | 547  |
| 55° | 256  | 238  |
| 65° | 69   | 73   |
| 75° | 20   | 22   |
| 85° | 4    | 3    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1933.6 |
| 2.5°  | 1937.6 |
| 5°    | 1925.5 |
| 7.5°  | 1909.3 |
| 10°   | 1888.9 |
| 12.5° | 1868.6 |
| 15°   | 1840.2 |
| 17.5° | 1803.6 |
| 20°   | 1763.0 |
| 22.5° | 1718.3 |
| 25°   | 1661.5 |
| 27.5° | 1588.3 |
| 30°   | 1494.9 |
| 32.5° | 1397.3 |
| 35°   | 1279.6 |
| 37.5° | 1149.7 |
| 40°   | 999.3  |
| 42.5° | 849.0  |
| 45°   | 706.8  |
| 47.5° | 572.7  |
| 50°   | 455.0  |
| 52.5° | 345.4  |
| 55°   | 256.0  |
| 57.5° | 182.8  |
| 60°   | 125.9  |
| 62.5° | 93.5   |
| 65°   | 69.1   |
| 67.5° | 52.9   |
| 70°   | 36.5   |
| 72.5° | 28.5   |
| 75°   | 20.3   |
| 77.5° | 12.1   |
| 80°   | 8.2    |
| 82.5° | 4.1    |
| 85°   | 4.1    |
| 87.5° | 0.0    |
| 90°   | 0.0    |



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— 0°-180°







(END OF REPORT)