

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: FAIL-SAFE

Report Number: P365241

Luminaire Tested: **FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P365241  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX10D010-FEU6B12-8050-F6LBXVM1-MW-BTR84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.125", 1000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 674.0 lumens  
Efficiency: N/A  
Efficacy: 67.4 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.84  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

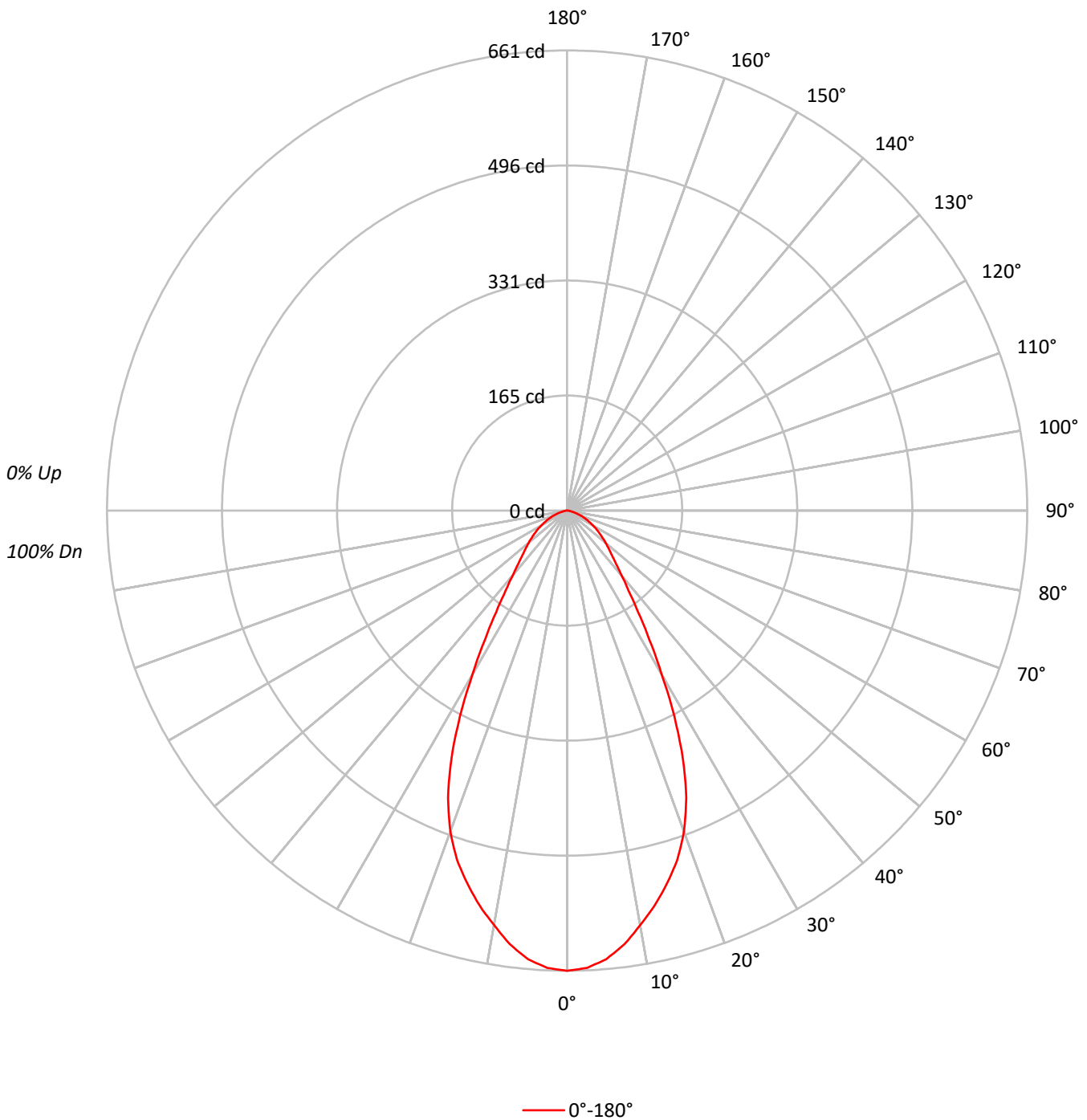
Input Watts (W): 10  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  | 0   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1   | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 101 | 102 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 93  | 91  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 86  | 83  | 82  |
| 3   | 99  | 91  | 85  | 80  | 96  | 89  | 84  | 80  | 87  | 82  | 78  | 84  | 80  | 77  | 82  | 79  | 76  | 74  |
| 4   | 93  | 84  | 77  | 72  | 91  | 82  | 76  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 72  | 69  | 67  |
| 5   | 87  | 77  | 71  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 65  | 73  | 68  | 64  | 71  | 67  | 63  | 62  |
| 6   | 82  | 72  | 65  | 60  | 81  | 71  | 64  | 60  | 69  | 64  | 59  | 68  | 63  | 59  | 67  | 62  | 58  | 57  |
| 7   | 78  | 67  | 60  | 55  | 76  | 66  | 60  | 55  | 65  | 59  | 55  | 64  | 58  | 54  | 62  | 58  | 54  | 53  |
| 8   | 73  | 63  | 56  | 51  | 72  | 62  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 59  | 54  | 50  | 49  |
| 9   | 70  | 59  | 52  | 48  | 68  | 58  | 52  | 48  | 57  | 52  | 47  | 56  | 51  | 47  | 55  | 51  | 47  | 46  |
| 10  | 66  | 55  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 48  | 44  | 53  | 48  | 44  | 52  | 48  | 44  | 43  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 47336 |
| 5°  | 46482 |
| 10° | 43958 |
| 15° | 41111 |
| 20° | 37375 |
| 25° | 31104 |
| 30° | 22456 |
| 35° | 15515 |
| 40° | 11347 |
| 45° | 9215  |
| 50° | 8031  |
| 55° | 7053  |
| 60° | 6143  |
| 65° | 5201  |
| 70° | 4208  |
| 75° | 2932  |
| 80° | 1897  |
| 85° | 2218  |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.4   | 9.0       |
| 10°-20°   | 154.9  | 23.0      |
| 20°-30°   | 177.0  | 26.3      |
| 30°-40°   | 114.1  | 16.9      |
| 40°-50°   | 71.7   | 10.6      |
| 50°-60°   | 50.8   | 7.5       |
| 60°-70°   | 30.6   | 4.5       |
| 70°-80°   | 11.8   | 1.8       |
| 80°-90°   | 2.6    | 0.4       |
| 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°    | 392.3  | 58.2      |
| 0°-40°    | 506.4  | 75.1      |
| 0°-60°    | 629.0  | 93.3      |
| 0°-90°    | 674.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 674.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | Flux |
|-----|-----|------|
| 0°  | 661 |      |
| 5°  | 647 | 60   |
| 15° | 555 | 155  |
| 25° | 394 | 177  |
| 35° | 178 | 114  |
| 45° | 91  | 72   |
| 55° | 56  | 51   |
| 65° | 31  | 31   |
| 75° | 11  | 12   |
| 85° | 3   | 3    |
| 90° | 0   |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    |
|-------|-------|
| 0°    | 661.1 |
| 2.5°  | 657.4 |
| 5°    | 646.7 |
| 7.5°  | 628.5 |
| 10°   | 604.6 |
| 12.5° | 581.1 |
| 15°   | 554.6 |
| 17.5° | 526.1 |
| 20°   | 490.5 |
| 22.5° | 447.2 |
| 25°   | 393.7 |
| 27.5° | 333.4 |
| 30°   | 271.6 |
| 32.5° | 219.6 |
| 35°   | 177.5 |
| 37.5° | 144.9 |
| 40°   | 121.4 |
| 42.5° | 104.3 |
| 45°   | 91.0  |
| 47.5° | 80.8  |
| 50°   | 72.1  |
| 52.5° | 64.1  |
| 55°   | 56.5  |
| 57.5° | 49.7  |
| 60°   | 42.9  |
| 62.5° | 36.8  |
| 65°   | 30.7  |
| 67.5° | 25.0  |
| 70°   | 20.1  |
| 72.5° | 14.8  |
| 75°   | 10.6  |
| 77.5° | 7.2   |
| 80°   | 4.6   |
| 82.5° | 3.0   |
| 85°   | 2.7   |
| 87.5° | 1.5   |
| 90°   | 0.0   |

(END OF REPORT)