

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: P366428

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR82  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4105.0 lumens  
Efficiency: N/A  
Efficacy: 70.7 lumens/watt  
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

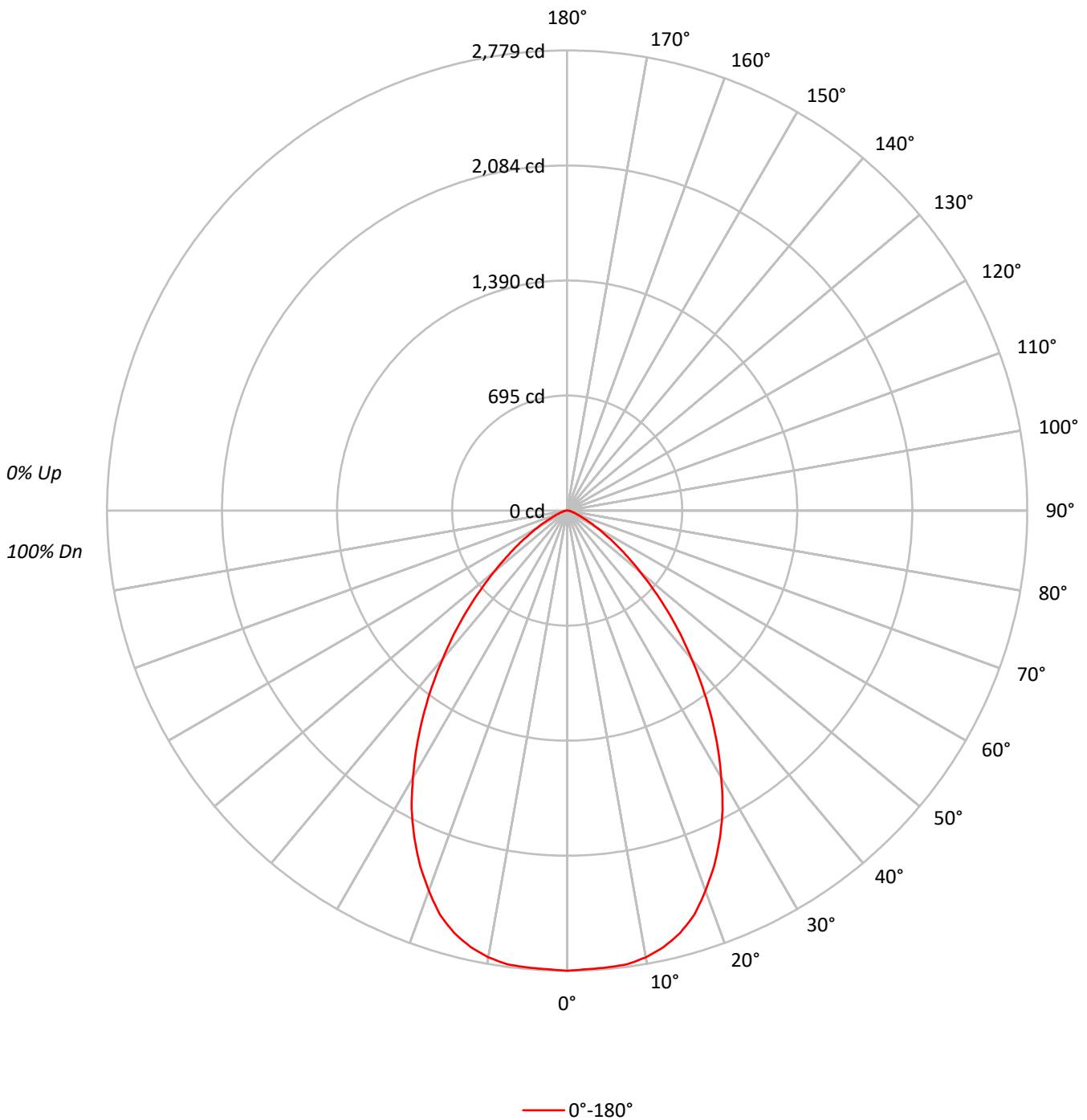
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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 | 106 | 104 | 101 | 102 | 100 | 98  | 99  | 97  | 95  | 95  | 94  | 92  | 91  |
| 2   | 105 | 99  | 94  | 90  | 103 | 97  | 93  | 89  | 94  | 90  | 87  | 91  | 88  | 85  | 88  | 85  | 83  | 81  |
| 3   | 98  | 90  | 84  | 79  | 96  | 89  | 83  | 78  | 86  | 81  | 77  | 83  | 79  | 76  | 81  | 78  | 75  | 73  |
| 4   | 92  | 82  | 76  | 70  | 90  | 81  | 75  | 70  | 79  | 73  | 69  | 77  | 72  | 68  | 75  | 71  | 67  | 66  |
| 5   | 86  | 75  | 68  | 63  | 84  | 74  | 68  | 63  | 73  | 67  | 62  | 71  | 66  | 62  | 69  | 65  | 61  | 59  |
| 6   | 80  | 69  | 62  | 57  | 79  | 69  | 62  | 57  | 67  | 61  | 56  | 65  | 60  | 56  | 64  | 59  | 56  | 54  |
| 7   | 75  | 64  | 57  | 52  | 74  | 63  | 57  | 52  | 62  | 56  | 51  | 61  | 55  | 51  | 60  | 55  | 51  | 49  |
| 8   | 71  | 60  | 52  | 47  | 69  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 55  | 50  | 47  | 45  |
| 9   | 67  | 55  | 48  | 44  | 66  | 55  | 48  | 44  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 41  |
| 10  | 63  | 52  | 45  | 40  | 62  | 51  | 45  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 49  | 44  | 40  | 38  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 199010 |
| 5°  | 199088 |
| 10° | 199165 |
| 15° | 195690 |
| 20° | 186150 |
| 25° | 172466 |
| 30° | 153939 |
| 35° | 132504 |
| 40° | 109350 |
| 45° | 86527  |
| 50° | 64307  |
| 55° | 45340  |
| 60° | 30116  |
| 65° | 18467  |
| 70° | 11996  |
| 75° | 8991   |
| 80° | 7876   |
| 85° | 9448   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 263.6  | 6.4       |
| 10°-20°   | 739.0  | 18.0      |
| 20°-30°   | 997.7  | 24.3      |
| 30°-40°   | 944.1  | 23.0      |
| 40°-50°   | 661.7  | 16.1      |
| 50°-60°   | 333.0  | 8.1       |
| 60°-70°   | 117.6  | 2.9       |
| 70°-80°   | 36.8   | 0.9       |
| 80°-90°   | 11.4   | 0.3       |
| 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°    | 2000.4 | 48.7      |
| 0°-40°    | 2944.5 | 71.7      |
| 0°-60°    | 3939.2 | 96.0      |
| 0°-90°    | 4105.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4105.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 2779 |      |
| 5°  | 2770 | 264  |
| 15° | 2640 | 739  |
| 25° | 2183 | 998  |
| 35° | 1516 | 944  |
| 45° | 854  | 662  |
| 55° | 363  | 333  |
| 65° | 109  | 118  |
| 75° | 32   | 37   |
| 85° | 12   | 11   |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 2779.4 |
| 2.5°  | 2771.8 |
| 5°    | 2769.9 |
| 7.5°  | 2764.1 |
| 10°   | 2739.3 |
| 12.5° | 2699.1 |
| 15°   | 2639.9 |
| 17.5° | 2557.7 |
| 20°   | 2443.0 |
| 22.5° | 2320.6 |
| 25°   | 2183.0 |
| 27.5° | 2033.9 |
| 30°   | 1861.9 |
| 32.5° | 1691.7 |
| 35°   | 1515.9 |
| 37.5° | 1341.9 |
| 40°   | 1169.9 |
| 42.5° | 1011.2 |
| 45°   | 854.5  |
| 47.5° | 711.1  |
| 50°   | 577.3  |
| 52.5° | 462.6  |
| 55°   | 363.2  |
| 57.5° | 279.1  |
| 60°   | 210.3  |
| 62.5° | 154.8  |
| 65°   | 109.0  |
| 67.5° | 80.3   |
| 70°   | 57.3   |
| 72.5° | 44.0   |
| 75°   | 32.5   |
| 77.5° | 24.9   |
| 80°   | 19.1   |
| 82.5° | 15.3   |
| 85°   | 11.5   |
| 87.5° | 5.7    |
| 90°   | 0.0    |

(END OF REPORT)