

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: P366432

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-WMH-BTR87**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-30)  
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-BTR87  
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,  
BOTTOM TRIM POLYCARBONATE, CLEAR 0.375", 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4167.0 lumens  
Efficiency: N/A  
Efficacy: 71.7 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.8  
Luminous Opening: Circular (Dia: 0.44' x H: 0')  
CIE Type: Direct

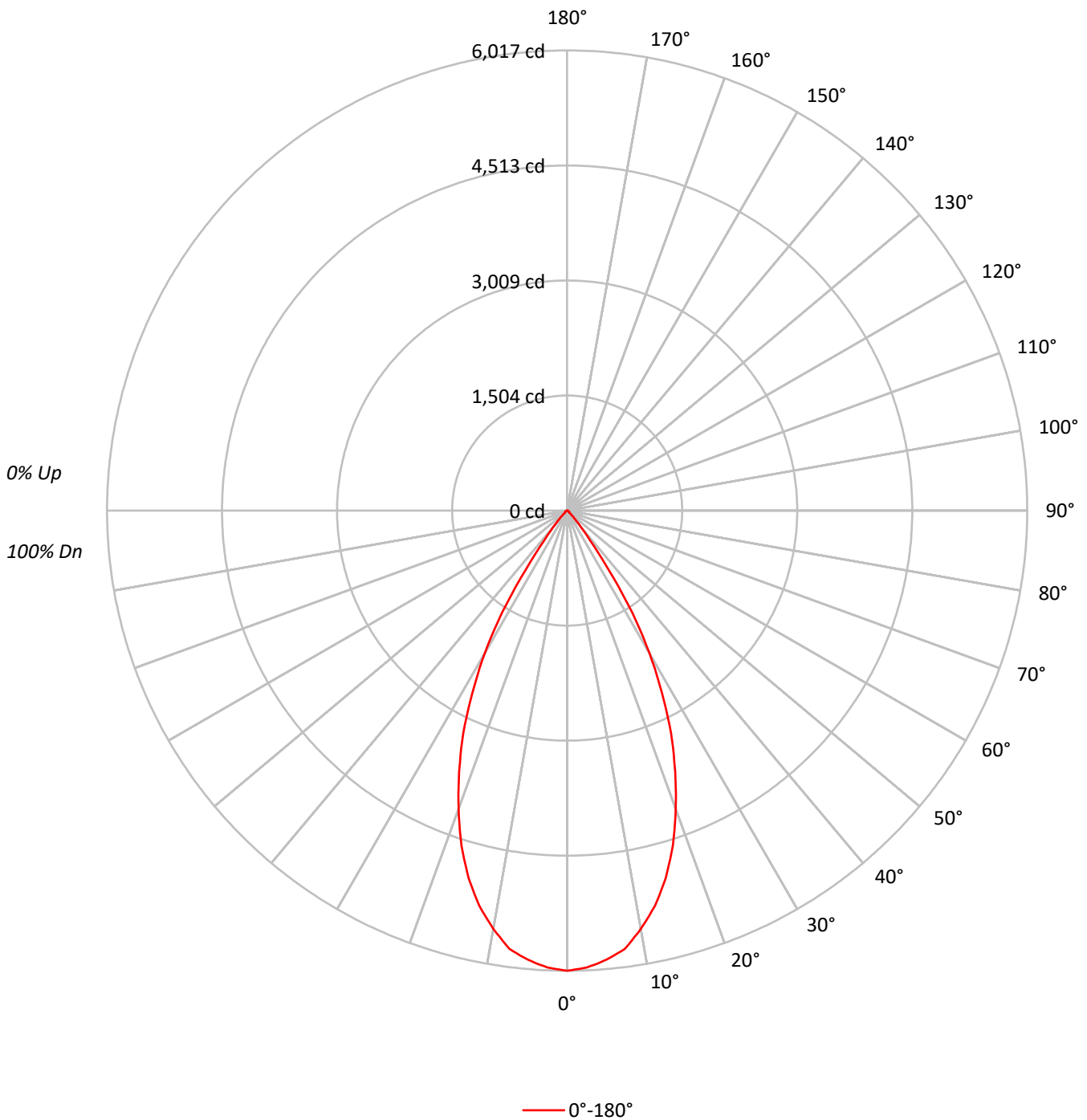
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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   | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 94  |
| 2   | 109 | 104 | 100 | 97  | 106 | 102 | 99  | 96  | 99  | 96  | 94  | 96  | 94  | 92  | 93  | 92  | 90  | 88  |
| 3   | 104 | 98  | 93  | 89  | 102 | 96  | 92  | 89  | 94  | 90  | 87  | 91  | 88  | 86  | 89  | 87  | 84  | 83  |
| 4   | 99  | 92  | 87  | 83  | 97  | 91  | 86  | 82  | 89  | 85  | 81  | 87  | 83  | 80  | 85  | 82  | 80  | 78  |
| 5   | 94  | 87  | 81  | 77  | 93  | 86  | 81  | 77  | 84  | 80  | 76  | 82  | 79  | 76  | 81  | 78  | 75  | 74  |
| 6   | 90  | 82  | 76  | 72  | 89  | 81  | 76  | 72  | 80  | 75  | 72  | 78  | 74  | 71  | 77  | 74  | 71  | 69  |
| 7   | 86  | 78  | 72  | 68  | 85  | 77  | 72  | 68  | 76  | 71  | 68  | 75  | 70  | 67  | 73  | 70  | 67  | 66  |
| 8   | 82  | 74  | 68  | 64  | 81  | 73  | 68  | 64  | 72  | 67  | 64  | 71  | 67  | 64  | 70  | 66  | 63  | 62  |
| 9   | 79  | 70  | 64  | 61  | 78  | 69  | 64  | 61  | 69  | 64  | 60  | 68  | 63  | 60  | 67  | 63  | 60  | 59  |
| 10  | 76  | 67  | 61  | 58  | 75  | 66  | 61  | 58  | 65  | 61  | 57  | 65  | 60  | 57  | 64  | 60  | 57  | 56  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 430821 |
| 5°  | 423734 |
| 10° | 403746 |
| 15° | 368934 |
| 20° | 316386 |
| 25° | 253863 |
| 30° | 177991 |
| 35° | 82235  |
| 40° | 26396  |
| 45° | 8526   |
| 50° | 3954   |
| 55° | 3508   |
| 60° | 3480   |
| 65° | 3168   |
| 70° | 3140   |
| 75° | 3624   |
| 80° | 4618   |
| 85° | 7722   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 552.9  | 13.3      |
| 10°-20°   | 1377.3 | 33.1      |
| 20°-30°   | 1446.4 | 34.7      |
| 30°-40°   | 641.8  | 15.4      |
| 40°-50°   | 82.9   | 2.0       |
| 50°-60°   | 25.9   | 0.6       |
| 60°-70°   | 18.3   | 0.4       |
| 70°-80°   | 13.3   | 0.3       |
| 80°-90°   | 8.2    | 0.2       |
| 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°    | 3376.6 | 81.0      |
| 0°-40°    | 4018.4 | 96.4      |
| 0°-60°    | 4127.2 | 99.0      |
| 0°-90°    | 4167.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4167.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 6017 |      |
| 5°  | 5895 | 553  |
| 15° | 4977 | 1377 |
| 25° | 3213 | 1446 |
| 35° | 941  | 642  |
| 45° | 84   | 83   |
| 55° | 28   | 26   |
| 65° | 19   | 18   |
| 75° | 13   | 13   |
| 85° | 9    | 8    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 6016.9 |
| 2.5°  | 5979.5 |
| 5°    | 5895.4 |
| 7.5°  | 5781.3 |
| 10°   | 5553.1 |
| 12.5° | 5296.8 |
| 15°   | 4977.0 |
| 17.5° | 4593.6 |
| 20°   | 4152.2 |
| 22.5° | 3688.3 |
| 25°   | 3213.3 |
| 27.5° | 2680.2 |
| 30°   | 2152.8 |
| 32.5° | 1582.3 |
| 35°   | 940.8  |
| 37.5° | 501.3  |
| 40°   | 282.4  |
| 42.5° | 155.2  |
| 45°   | 84.2   |
| 47.5° | 43.0   |
| 50°   | 35.5   |
| 52.5° | 31.8   |
| 55°   | 28.1   |
| 57.5° | 26.2   |
| 60°   | 24.3   |
| 62.5° | 20.6   |
| 65°   | 18.7   |
| 67.5° | 15.0   |
| 70°   | 15.0   |
| 72.5° | 13.1   |
| 75°   | 13.1   |
| 77.5° | 11.2   |
| 80°   | 11.2   |
| 82.5° | 9.4    |
| 85°   | 9.4    |
| 87.5° | 5.6    |
| 90°   | 0.0    |

(END OF REPORT)