

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: P366454

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P366454  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH  
Description: VANDAL RESISTANT OPEN, WARM HAZE REFLECTOR, 6000LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5713.0 lumens  
Efficiency: N/A  
Efficacy: 98.3 lumens/watt  
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.84  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

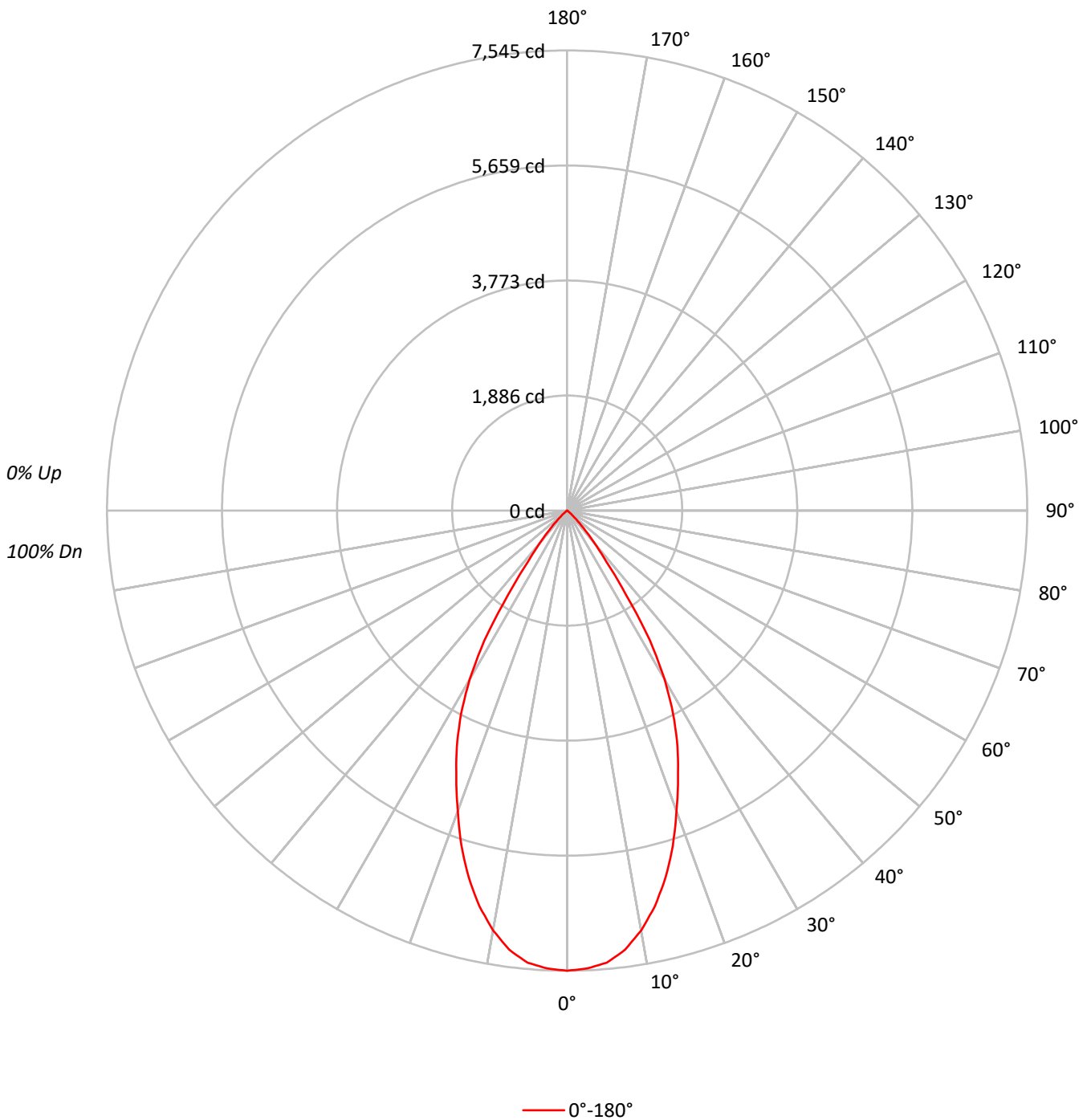
Input Watts (W): 58.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P366454

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH

### Luminous Intensity Polar Plot





TEST NUMBER: P366454

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH

**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  | 91  | 90  | 88  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  | 91  | 88  | 85  | 89  | 86  | 84  | 82  |
| 4   | 98  | 91  | 86  | 82  | 97  | 90  | 85  | 82  | 88  | 84  | 81  | 86  | 83  | 80  | 84  | 81  | 79  | 77  |
| 5   | 94  | 86  | 80  | 76  | 92  | 85  | 80  | 76  | 83  | 79  | 75  | 82  | 78  | 75  | 80  | 77  | 74  | 72  |
| 6   | 89  | 81  | 75  | 71  | 88  | 80  | 75  | 71  | 79  | 74  | 70  | 77  | 73  | 70  | 76  | 72  | 69  | 68  |
| 7   | 85  | 76  | 71  | 67  | 84  | 76  | 70  | 66  | 74  | 70  | 66  | 73  | 69  | 66  | 72  | 68  | 65  | 64  |
| 8   | 81  | 72  | 66  | 63  | 80  | 72  | 66  | 62  | 71  | 66  | 62  | 70  | 65  | 62  | 69  | 65  | 62  | 60  |
| 9   | 78  | 68  | 63  | 59  | 77  | 68  | 62  | 59  | 67  | 62  | 59  | 66  | 62  | 58  | 65  | 61  | 58  | 57  |
| 10  | 74  | 65  | 59  | 56  | 73  | 64  | 59  | 56  | 64  | 59  | 55  | 63  | 58  | 55  | 62  | 58  | 55  | 54  |

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

|     |        |
|-----|--------|
|     | 0°     |
| 0°  | 206102 |
| 5°  | 204040 |
| 10° | 193821 |
| 15° | 176200 |
| 20° | 152431 |
| 25° | 129086 |
| 30° | 100751 |
| 35° | 56091  |
| 40° | 24575  |
| 45° | 9878   |
| 50° | 2715   |
| 55° | 476    |
| 60° | 328    |
| 65° | 259    |
| 70° | 160    |
| 75° | 211    |
| 80° | 0      |
| 85° | 0      |



TEST NUMBER: P366454

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 695.7  | 12.2      |
| 10°-20°   | 1728.8 | 30.3      |
| 20°-30°   | 1942.0 | 34.0      |
| 30°-40°   | 1098.8 | 19.2      |
| 40°-50°   | 226.5  | 4.0       |
| 50°-60°   | 16.4   | 0.3       |
| 60°-70°   | 3.4    | 0.1       |
| 70°-80°   | 1.3    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 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°    | 4366.5 | 76.4      |
| 0°-40°    | 5465.3 | 95.7      |
| 0°-60°    | 5708.2 | 99.9      |
| 0°-90°    | 5713.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 5713.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 7545 |      |
| 5°  | 7441 | 696  |
| 15° | 6231 | 1729 |
| 25° | 4283 | 1942 |
| 35° | 1682 | 1099 |
| 45° | 256  | 227  |
| 55° | 10   | 16   |
| 65° | 4    | 3    |
| 75° | 2    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |



TEST NUMBER: P366454

CATALOG NUMBER: FLD6BX60D010TE-FEU6B67-8030-F6LBXVM1-WMH

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 7545.3 |
| 2.5°  | 7513.3 |
| 5°    | 7441.4 |
| 7.5°  | 7263.6 |
| 10°   | 6987.9 |
| 12.5° | 6644.3 |
| 15°   | 6230.8 |
| 17.5° | 5761.3 |
| 20°   | 5243.9 |
| 22.5° | 4748.5 |
| 25°   | 4283.0 |
| 27.5° | 3767.6 |
| 30°   | 3194.3 |
| 32.5° | 2527.1 |
| 35°   | 1682.1 |
| 37.5° | 1054.8 |
| 40°   | 689.2  |
| 42.5° | 435.5  |
| 45°   | 255.7  |
| 47.5° | 135.8  |
| 50°   | 63.9   |
| 52.5° | 22.0   |
| 55°   | 10.0   |
| 57.5° | 8.0    |
| 60°   | 6.0    |
| 62.5° | 4.0    |
| 65°   | 4.0    |
| 67.5° | 2.0    |
| 70°   | 2.0    |
| 72.5° | 2.0    |
| 75°   | 2.0    |
| 77.5° | 0.0    |
| 80°   | 0.0    |
| 82.5° | 0.0    |
| 85°   | 0.0    |
| 87.5° | 0.0    |
| 90°   | 0.0    |

(END OF REPORT)