

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: P364583

Luminaire Tested: **FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BL84**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P364583  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: FAIL-SAFE  
Catalog Number: FLD6BX15D010-FEU6B12-8040-F6LBXVM1-LI-BL84  
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,  
BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 1500LM  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1337.0 lumens  
Efficiency: N/A  
Efficacy: 94.2 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82  
Luminous Opening: Circular (Dia: 0.71' x H: 0')  
CIE Type: Direct

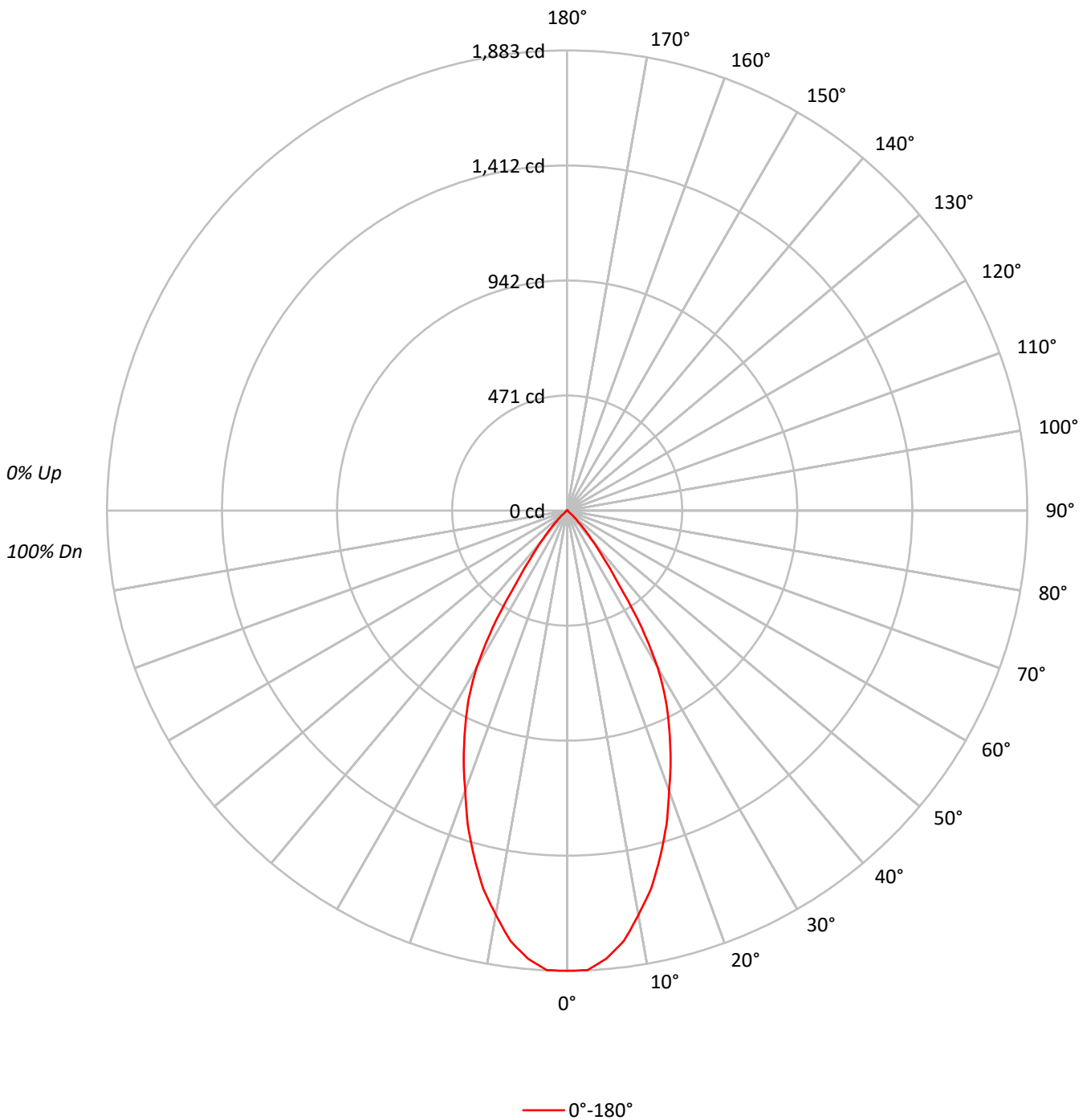
Input Watts (W): 14.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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  | 91  | 90  | 88  |
| 3   | 103 | 97  | 93  | 89  | 101 | 96  | 92  | 88  | 93  | 90  | 87  |  | 91  | 88  | 85  |  | 89  | 86  | 84  | 83  |
| 4   | 99  | 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  | 73  |
| 6   | 90  | 81  | 75  | 71  | 88  | 80  | 75  | 71  | 79  | 74  | 71  |  | 77  | 73  | 70  |  | 76  | 73  | 70  | 68  |
| 7   | 85  | 77  | 71  | 67  | 84  | 76  | 71  | 67  | 75  | 70  | 66  |  | 74  | 69  | 66  |  | 72  | 69  | 66  | 64  |
| 8   | 82  | 72  | 67  | 63  | 80  | 72  | 67  | 63  | 71  | 66  | 63  |  | 70  | 65  | 62  |  | 69  | 65  | 62  | 61  |
| 9   | 78  | 69  | 63  | 59  | 77  | 68  | 63  | 59  | 67  | 62  | 59  |  | 66  | 62  | 59  |  | 66  | 62  | 59  | 57  |
| 10  | 74  | 65  | 60  | 56  | 74  | 65  | 60  | 56  | 64  | 59  | 56  |  | 63  | 59  | 56  |  | 63  | 58  | 56  | 54  |

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

|     |       |
|-----|-------|
|     | 0°    |
| 0°  | 51440 |
| 5°  | 50463 |
| 10° | 46600 |
| 15° | 41527 |
| 20° | 35463 |
| 25° | 29783 |
| 30° | 23381 |
| 35° | 12115 |
| 40° | 5787  |
| 45° | 2279  |
| 50° | 599   |
| 55° | 167   |
| 60° | 109   |
| 65° | 97    |
| 70° | 80    |
| 75° | 106   |
| 80° | 79    |
| 85° | 157   |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 170.7  | 12.8      |
| 10°-20°   | 408.1  | 30.5      |
| 20°-30°   | 450.6  | 33.7      |
| 30°-40°   | 247.9  | 18.5      |
| 40°-50°   | 52.4   | 3.9       |
| 50°-60°   | 4.4    | 0.3       |
| 60°-70°   | 1.4    | 0.1       |
| 70°-80°   | 1.0    | 0.1       |
| 80°-90°   | 0.5    | 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°    | 1029.4 | 77.0      |
| 0°-40°    | 1277.3 | 95.5      |
| 0°-60°    | 1334.1 | 99.8      |
| 0°-90°    | 1337.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1337.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | Flux |
|-----|------|------|
| 0°  | 1883 |      |
| 5°  | 1840 | 171  |
| 15° | 1468 | 408  |
| 25° | 988  | 451  |
| 35° | 363  | 248  |
| 45° | 59   | 52   |
| 55° | 4    | 4    |
| 65° | 2    | 1    |
| 75° | 1    | 1    |
| 85° | 0    | 0    |
| 90° | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     |
|-------|--------|
| 0°    | 1883.2 |
| 2.5°  | 1882.2 |
| 5°    | 1840.4 |
| 7.5°  | 1775.9 |
| 10°   | 1680.1 |
| 12.5° | 1584.9 |
| 15°   | 1468.5 |
| 17.5° | 1350.0 |
| 20°   | 1220.0 |
| 22.5° | 1106.1 |
| 25°   | 988.2  |
| 27.5° | 874.3  |
| 30°   | 741.3  |
| 32.5° | 565.9  |
| 35°   | 363.3  |
| 37.5° | 244.9  |
| 40°   | 162.3  |
| 42.5° | 101.3  |
| 45°   | 59.0   |
| 47.5° | 30.2   |
| 50°   | 14.1   |
| 52.5° | 6.0    |
| 55°   | 3.5    |
| 57.5° | 2.5    |
| 60°   | 2.0    |
| 62.5° | 1.5    |
| 65°   | 1.5    |
| 67.5° | 1.0    |
| 70°   | 1.0    |
| 72.5° | 1.5    |
| 75°   | 1.0    |
| 77.5° | 0.5    |
| 80°   | 0.5    |
| 82.5° | 0.5    |
| 85°   | 0.5    |
| 87.5° | 0.5    |
| 90°   | 0.0    |

(END OF REPORT)