

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: P364612

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-LI-BTR85**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8050-F6LBXVM1-LI-BTR85
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, CLEAR 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1159.0 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

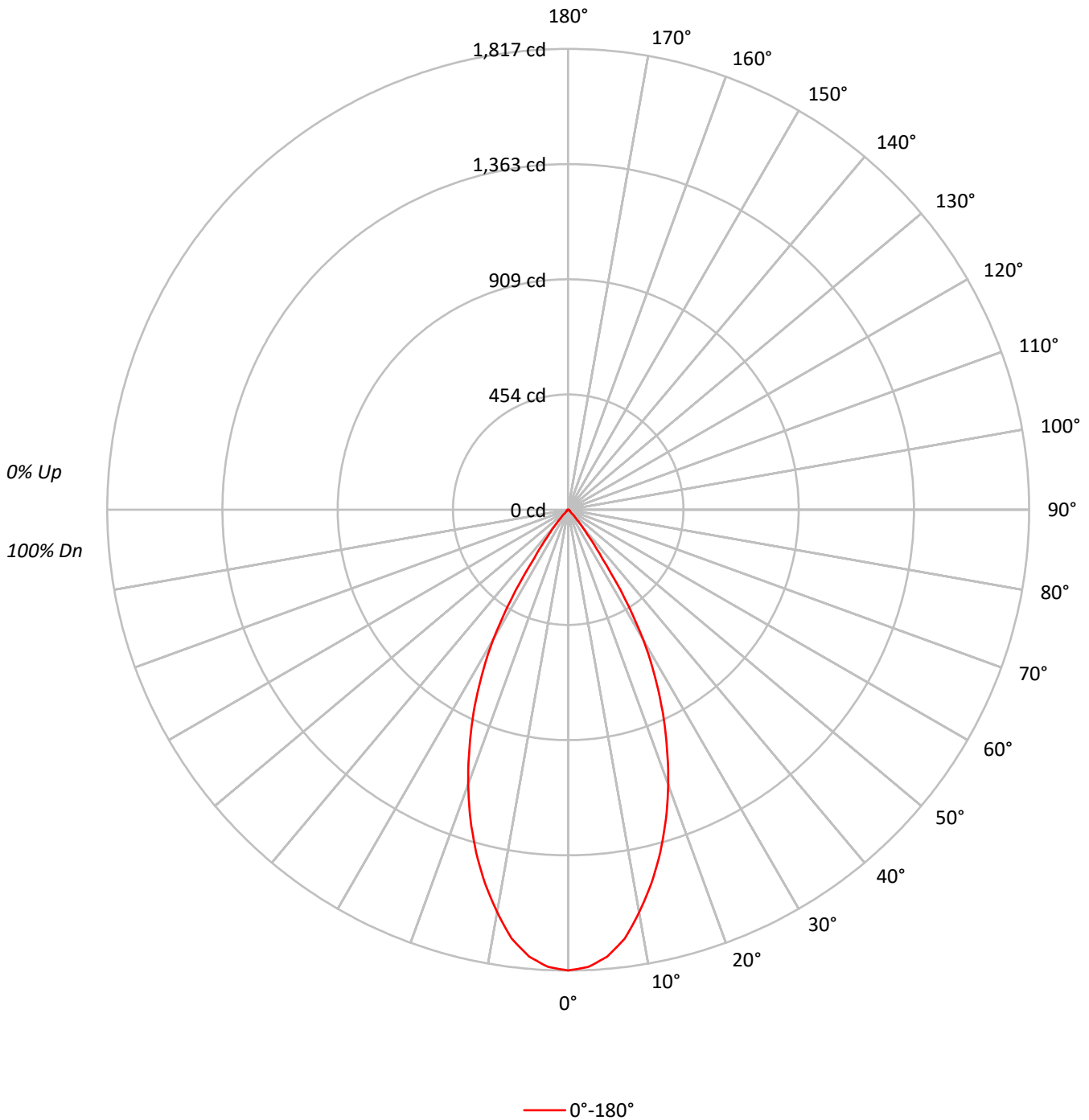
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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 | 107 | 102 | 99 | 96 | 99 | 96 | 94 | | 96 | 94 | 92 | | 94 | 92 | 90 | 89 |
| 3 | 104 | 98 | 93 | 90 | 102 | 97 | 92 | 89 | 94 | 90 | 87 | | 92 | 89 | 86 | | 89 | 87 | 85 | 83 |
| 4 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 83 | 89 | 85 | 82 | | 87 | 84 | 81 | | 85 | 82 | 80 | 78 |
| 5 | 95 | 87 | 82 | 78 | 93 | 86 | 81 | 77 | 84 | 80 | 77 | | 83 | 79 | 76 | | 81 | 78 | 75 | 74 |
| 6 | 91 | 82 | 77 | 73 | 89 | 82 | 76 | 73 | 80 | 76 | 72 | | 79 | 75 | 72 | | 78 | 74 | 71 | 70 |
| 7 | 87 | 78 | 73 | 69 | 85 | 77 | 72 | 69 | 76 | 72 | 68 | | 75 | 71 | 68 | | 74 | 70 | 68 | 66 |
| 8 | 83 | 74 | 69 | 65 | 82 | 74 | 68 | 65 | 73 | 68 | 65 | | 72 | 67 | 64 | | 71 | 67 | 64 | 63 |
| 9 | 79 | 71 | 65 | 62 | 78 | 70 | 65 | 61 | 69 | 65 | 61 | | 68 | 64 | 61 | | 68 | 64 | 61 | 60 |
| 10 | 76 | 67 | 62 | 58 | 75 | 67 | 62 | 58 | 66 | 61 | 58 | | 65 | 61 | 58 | | 65 | 61 | 58 | 57 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 130086 |
| 5° | 127119 |
| 10° | 117188 |
| 15° | 103794 |
| 20° | 87878 |
| 25° | 69618 |
| 30° | 48929 |
| 35° | 20375 |
| 40° | 6992 |
| 45° | 1863 |
| 50° | 1025 |
| 55° | 961 |
| 60° | 874 |
| 65° | 864 |
| 70° | 858 |
| 75° | 996 |
| 80° | 1278 |
| 85° | 2136 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 163.9 | 14.1 |
| 10°-20° | 388.4 | 33.5 |
| 20°-30° | 398.8 | 34.4 |
| 30°-40° | 168.9 | 14.6 |
| 40°-50° | 20.8 | 1.8 |
| 50°-60° | 6.9 | 0.6 |
| 60°-70° | 5.0 | 0.4 |
| 70°-80° | 3.9 | 0.3 |
| 80°-90° | 2.4 | 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° | 951.1 | 82.1 |
| 0°-40° | 1120.0 | 96.6 |
| 0°-60° | 1147.6 | 99.0 |
| 0°-90° | 1159.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1159.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1817 | |
| 5° | 1769 | 164 |
| 15° | 1400 | 388 |
| 25° | 881 | 399 |
| 35° | 233 | 169 |
| 45° | 18 | 21 |
| 55° | 8 | 7 |
| 65° | 5 | 5 |
| 75° | 4 | 4 |
| 85° | 3 | 2 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1816.8 |
| 2.5° | 1805.0 |
| 5° | 1768.6 |
| 7.5° | 1706.1 |
| 10° | 1611.8 |
| 12.5° | 1511.4 |
| 15° | 1400.2 |
| 17.5° | 1280.8 |
| 20° | 1153.3 |
| 22.5° | 1017.5 |
| 25° | 881.2 |
| 27.5° | 740.3 |
| 30° | 591.8 |
| 32.5° | 417.0 |
| 35° | 233.1 |
| 37.5° | 133.7 |
| 40° | 74.8 |
| 42.5° | 39.5 |
| 45° | 18.4 |
| 47.5° | 10.8 |
| 50° | 9.2 |
| 52.5° | 8.2 |
| 55° | 7.7 |
| 57.5° | 7.2 |
| 60° | 6.1 |
| 62.5° | 5.6 |
| 65° | 5.1 |
| 67.5° | 4.6 |
| 70° | 4.1 |
| 72.5° | 4.1 |
| 75° | 3.6 |
| 77.5° | 3.6 |
| 80° | 3.1 |
| 82.5° | 3.1 |
| 85° | 2.6 |
| 87.5° | 1.5 |
| 90° | 0.0 |

(END OF REPORT)