

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: P365321

Luminaire Tested: **FLD6BX15D010-FEU6B12-8050-F6LBXVM1-MW-BL84**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-36)
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-MW-BL84
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, MATTE WHITE REFLECTOR, BOTTOM LENS POLYCARBONATE, CLEAR 0.125", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1188.0 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.95
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

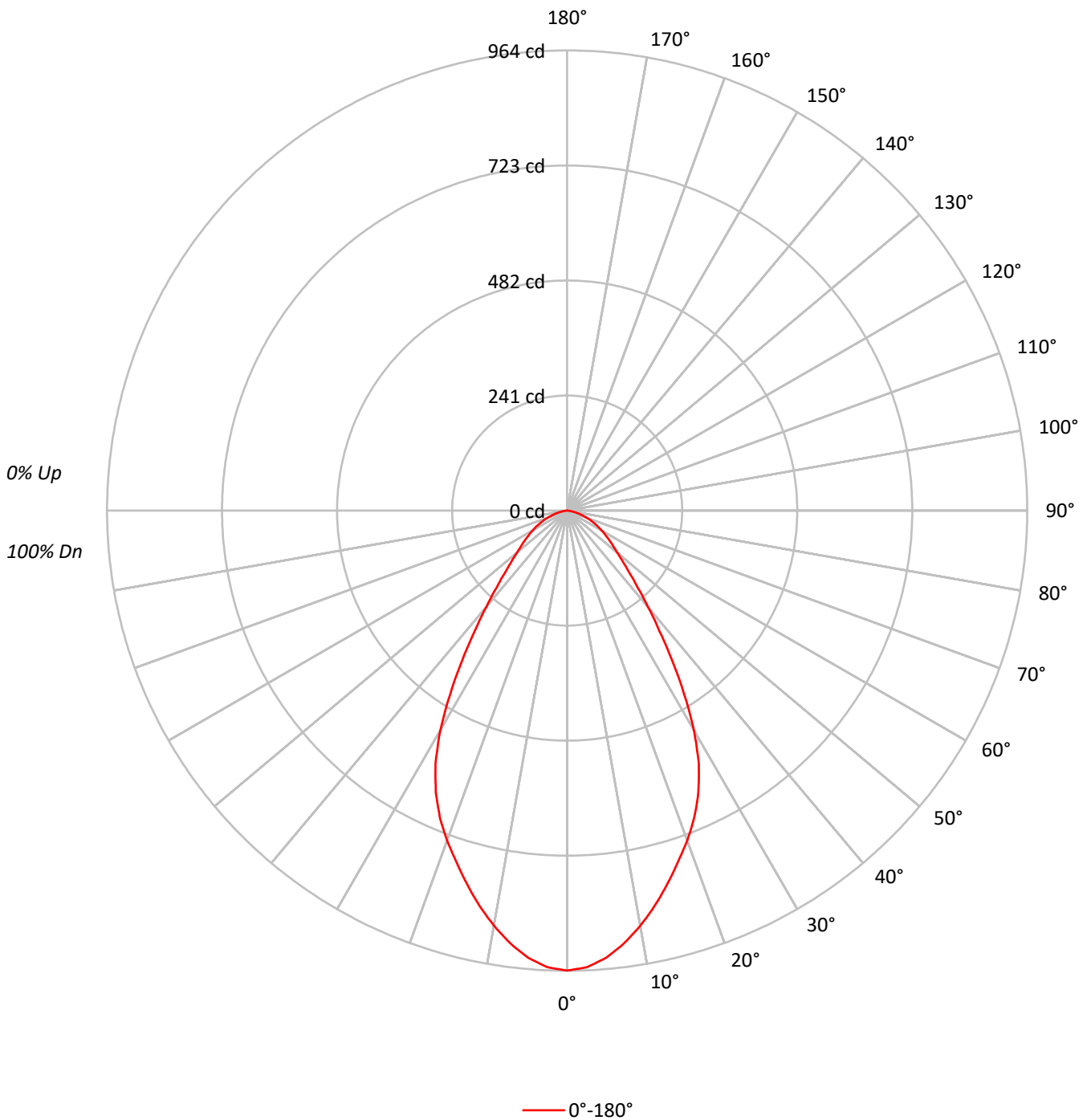
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 97 | 98 | 96 | 95 | 95 | 93 | 92 | 90 |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 80 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 75 | 80 | 77 | 74 | 72 |
| 4 | 91 | 82 | 75 | 70 | 89 | 80 | 74 | 69 | 78 | 73 | 68 | 76 | 71 | 67 | 74 | 70 | 67 | 65 |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 |
| 6 | 80 | 69 | 62 | 57 | 78 | 68 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 49 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 45 |
| 9 | 67 | 56 | 49 | 44 | 66 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 44 | 52 | 47 | 44 | 42 |
| 10 | 64 | 52 | 46 | 41 | 62 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 49 | 44 | 41 | 39 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 26321 |
| 5° | 25783 |
| 10° | 24491 |
| 15° | 22914 |
| 20° | 21377 |
| 25° | 19615 |
| 30° | 16751 |
| 35° | 12768 |
| 40° | 9403 |
| 45° | 7139 |
| 50° | 5813 |
| 55° | 5110 |
| 60° | 4567 |
| 65° | 4033 |
| 70° | 3418 |
| 75° | 2670 |
| 80° | 1793 |
| 85° | 815 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 87.9 | 7.4 |
| 10°-20° | 227.4 | 19.1 |
| 20°-30° | 295.5 | 24.9 |
| 30°-40° | 240.8 | 20.3 |
| 40°-50° | 146.2 | 12.3 |
| 50°-60° | 96.7 | 8.1 |
| 60°-70° | 62.0 | 5.2 |
| 70°-80° | 27.4 | 2.3 |
| 80°-90° | 4.1 | 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° | 610.8 | 51.4 |
| 0°-40° | 851.6 | 71.7 |
| 0°-60° | 1094.5 | 92.1 |
| 0°-90° | 1188.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1188.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 964 | |
| 5° | 940 | 88 |
| 15° | 810 | 227 |
| 25° | 651 | 296 |
| 35° | 383 | 241 |
| 45° | 185 | 146 |
| 55° | 107 | 97 |
| 65° | 62 | 62 |
| 75° | 25 | 27 |
| 85° | 3 | 4 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 963.6 |
| 2.5° | 957.4 |
| 5° | 940.3 |
| 7.5° | 914.5 |
| 10° | 883.0 |
| 12.5° | 847.9 |
| 15° | 810.3 |
| 17.5° | 771.6 |
| 20° | 735.4 |
| 22.5° | 696.2 |
| 25° | 650.8 |
| 27.5° | 597.1 |
| 30° | 531.1 |
| 32.5° | 456.7 |
| 35° | 382.9 |
| 37.5° | 317.4 |
| 40° | 263.7 |
| 42.5° | 218.8 |
| 45° | 184.8 |
| 47.5° | 157.9 |
| 50° | 136.8 |
| 52.5° | 120.8 |
| 55° | 107.3 |
| 57.5° | 95.0 |
| 60° | 83.6 |
| 62.5° | 72.8 |
| 65° | 62.4 |
| 67.5° | 52.6 |
| 70° | 42.8 |
| 72.5° | 33.5 |
| 75° | 25.3 |
| 77.5° | 18.1 |
| 80° | 11.4 |
| 82.5° | 6.2 |
| 85° | 2.6 |
| 87.5° | 0.5 |
| 90° | 0.0 |

(END OF REPORT)