

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: P364483

Luminaire Tested: **FLD6BX10D010-FEU6B12-8035-F6LBXVM1-LI-BTR81**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX10D010-FEU6B12-8035-F6LBXVM1-LI-BTR81
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, SPECULAR CLEAR REFLECTOR, BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.156", 1000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 808.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.19
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

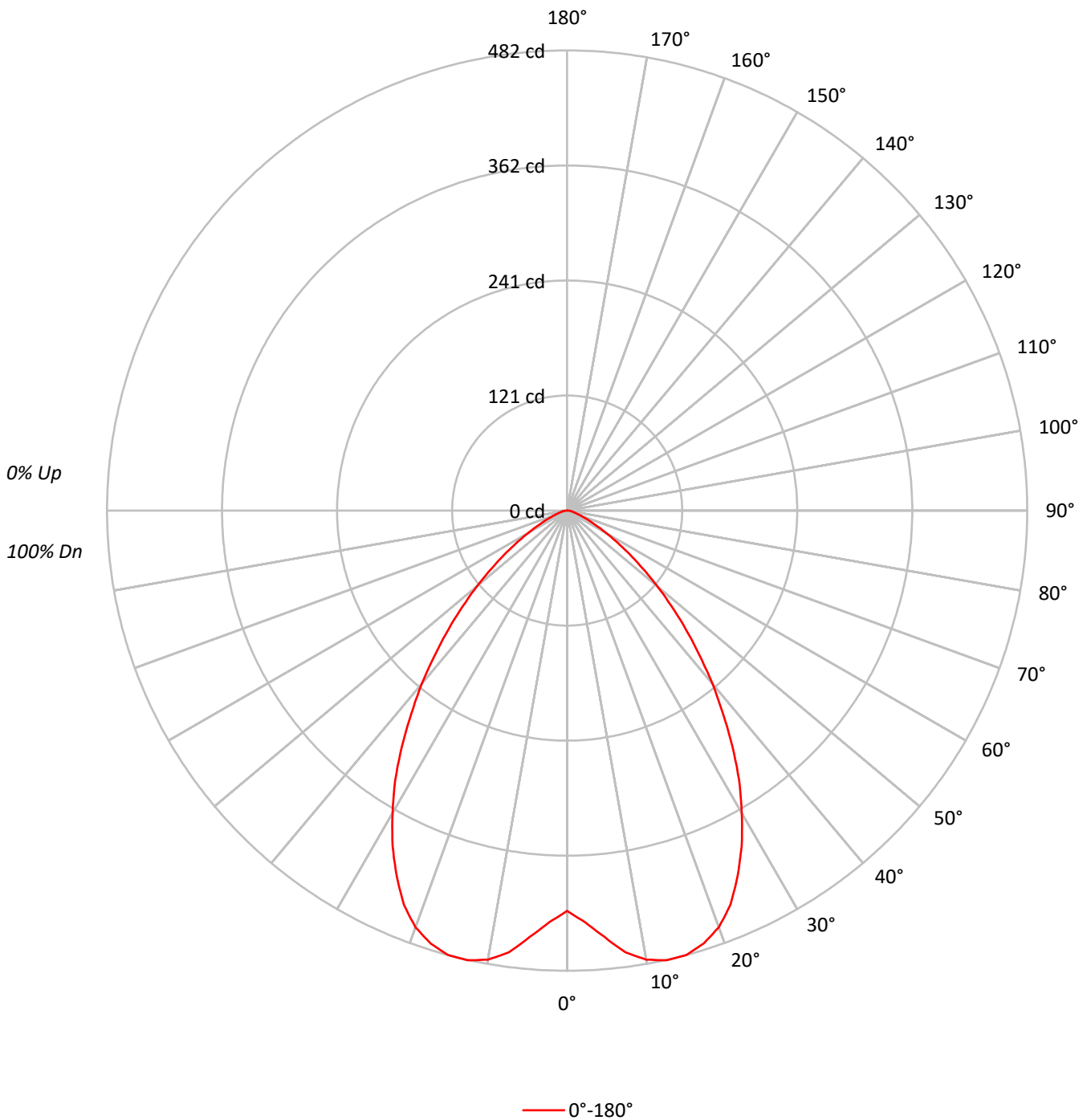
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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 | 98 | | 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 | 76 | 73 | 72 |
| 4 | 91 | 81 | 74 | 69 | 89 | 80 | 73 | 68 | 78 | 72 | 68 | | 75 | 71 | 67 | | 73 | 69 | 66 | 64 |
| 5 | 85 | 74 | 67 | 61 | 83 | 73 | 66 | 61 | 71 | 65 | 61 | | 69 | 64 | 60 | | 68 | 63 | 59 | 58 |
| 6 | 79 | 68 | 61 | 55 | 77 | 67 | 60 | 55 | 66 | 59 | 55 | | 64 | 58 | 54 | | 63 | 58 | 54 | 52 |
| 7 | 74 | 63 | 55 | 50 | 73 | 62 | 55 | 50 | 61 | 54 | 50 | | 59 | 54 | 49 | | 58 | 53 | 49 | 47 |
| 8 | 70 | 58 | 51 | 46 | 68 | 57 | 50 | 46 | 56 | 50 | 45 | | 55 | 49 | 45 | | 54 | 49 | 45 | 43 |
| 9 | 65 | 54 | 47 | 42 | 64 | 53 | 46 | 42 | 52 | 46 | 42 | | 51 | 46 | 41 | | 50 | 45 | 41 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 38 | 49 | 43 | 38 | | 48 | 42 | 38 | | 47 | 42 | 38 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 30030 |
| 5° | 32222 |
| 10° | 34725 |
| 15° | 35730 |
| 20° | 35386 |
| 25° | 33363 |
| 30° | 30252 |
| 35° | 26380 |
| 40° | 22115 |
| 45° | 17802 |
| 50° | 13712 |
| 55° | 9974 |
| 60° | 6774 |
| 65° | 4473 |
| 70° | 2910 |
| 75° | 2241 |
| 80° | 1979 |
| 85° | 2382 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 43.8 | 5.4 |
| 10°-20° | 135.2 | 16.7 |
| 20°-30° | 193.1 | 23.9 |
| 30°-40° | 187.9 | 23.2 |
| 40°-50° | 135.9 | 16.8 |
| 50°-60° | 72.9 | 9.0 |
| 60°-70° | 27.5 | 3.4 |
| 70°-80° | 9.0 | 1.1 |
| 80°-90° | 2.9 | 0.4 |
| 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° | 372.1 | 46.0 |
| 0°-40° | 559.9 | 69.3 |
| 0°-60° | 768.7 | 95.1 |
| 0°-90° | 808.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 808.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 419 | |
| 5° | 448 | 44 |
| 15° | 482 | 135 |
| 25° | 422 | 193 |
| 35° | 302 | 188 |
| 45° | 176 | 136 |
| 55° | 80 | 73 |
| 65° | 26 | 27 |
| 75° | 8 | 9 |
| 85° | 3 | 3 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|-------|
| 0° | 419.4 |
| 2.5° | 431.5 |
| 5° | 448.3 |
| 7.5° | 466.6 |
| 10° | 477.6 |
| 12.5° | 482.4 |
| 15° | 482.0 |
| 17.5° | 475.4 |
| 20° | 464.4 |
| 22.5° | 446.9 |
| 25° | 422.3 |
| 27.5° | 396.0 |
| 30° | 365.9 |
| 32.5° | 335.2 |
| 35° | 301.8 |
| 37.5° | 268.1 |
| 40° | 236.6 |
| 42.5° | 204.4 |
| 45° | 175.8 |
| 47.5° | 148.0 |
| 50° | 123.1 |
| 52.5° | 100.0 |
| 55° | 79.9 |
| 57.5° | 62.6 |
| 60° | 47.3 |
| 62.5° | 35.5 |
| 65° | 26.4 |
| 67.5° | 19.0 |
| 70° | 13.9 |
| 72.5° | 10.6 |
| 75° | 8.1 |
| 77.5° | 6.2 |
| 80° | 4.8 |
| 82.5° | 3.7 |
| 85° | 2.9 |
| 87.5° | 1.5 |
| 90° | 0.0 |

(END OF REPORT)