

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: P365978

Luminaire Tested: **FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365978
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-32)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, WARM HAZE REFLECTOR,
BOTTOM TRIM POLYCARBONATE, PATTERN 12 0.187", 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1004.0 lumens
Efficiency: N/A
Efficacy: 70.7 lumens/watt
Spacing Criteria (0/90/45): 1.06 / 1.06 / 1.07
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

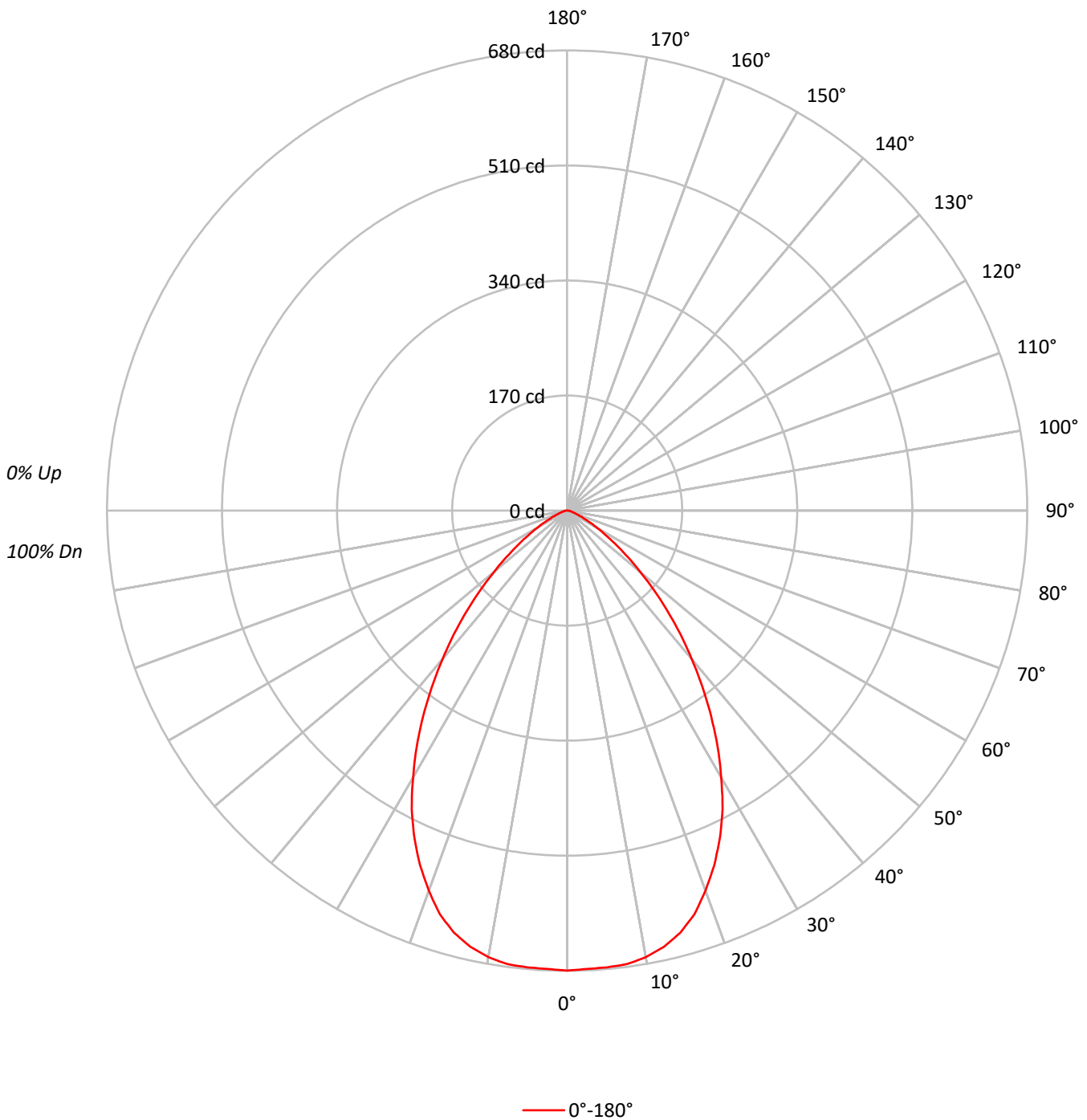
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365978

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82

Luminous Intensity Polar Plot





TEST NUMBER: P365978

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82

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 | 109 | 106 | 103 | 110 | 106 | 104 | 101 | 102 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 92 | 91 |
| 2 | 105 | 99 | 94 | 90 | 103 | 97 | 93 | 89 | 94 | 90 | 87 | 91 | 88 | 85 | 88 | 85 | 83 | 81 |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 78 | 86 | 81 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 73 |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 66 |
| 5 | 86 | 75 | 68 | 63 | 84 | 74 | 68 | 63 | 73 | 67 | 62 | 71 | 66 | 62 | 69 | 65 | 61 | 59 |
| 6 | 80 | 69 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 56 | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 57 | 52 | 62 | 56 | 51 | 61 | 55 | 51 | 60 | 55 | 51 | 49 |
| 8 | 71 | 60 | 52 | 47 | 69 | 59 | 52 | 47 | 58 | 52 | 47 | 57 | 51 | 47 | 55 | 50 | 47 | 45 |
| 9 | 67 | 55 | 48 | 44 | 66 | 55 | 48 | 44 | 54 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 42 |
| 10 | 63 | 52 | 45 | 40 | 62 | 51 | 45 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 49 | 44 | 40 | 38 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 48675 |
| 5° | 48696 |
| 10° | 48713 |
| 15° | 47864 |
| 20° | 45528 |
| 25° | 42180 |
| 30° | 37652 |
| 35° | 32412 |
| 40° | 26742 |
| 45° | 21163 |
| 50° | 15729 |
| 55° | 11085 |
| 60° | 7361 |
| 65° | 4507 |
| 70° | 2931 |
| 75° | 2186 |
| 80° | 1938 |
| 85° | 2300 |



TEST NUMBER: P365978

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 64.5 | 6.4 |
| 10°-20° | 180.8 | 18.0 |
| 20°-30° | 244.0 | 24.3 |
| 30°-40° | 230.9 | 23.0 |
| 40°-50° | 161.8 | 16.1 |
| 50°-60° | 81.4 | 8.1 |
| 60°-70° | 28.7 | 2.9 |
| 70°-80° | 9.0 | 0.9 |
| 80°-90° | 2.8 | 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° | 489.3 | 48.7 |
| 0°-40° | 720.2 | 71.7 |
| 0°-60° | 963.5 | 96.0 |
| 0°-90° | 1004.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1004.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|-----|------|
| 0° | 680 | |
| 5° | 678 | 64 |
| 15° | 646 | 181 |
| 25° | 534 | 244 |
| 35° | 371 | 231 |
| 45° | 209 | 162 |
| 55° | 89 | 81 |
| 65° | 27 | 29 |
| 75° | 8 | 9 |
| 85° | 3 | 3 |
| 90° | 0 | |



TEST NUMBER: P365978

CATALOG NUMBER: FLD6BX15D010-FEU6B12-8027-F6LBXVM1-WMH-BTR82

CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|-------|
| 0° | 679.8 |
| 2.5° | 677.9 |
| 5° | 677.5 |
| 7.5° | 676.0 |
| 10° | 670.0 |
| 12.5° | 660.2 |
| 15° | 645.7 |
| 17.5° | 625.6 |
| 20° | 597.5 |
| 22.5° | 567.6 |
| 25° | 533.9 |
| 27.5° | 497.5 |
| 30° | 455.4 |
| 32.5° | 413.8 |
| 35° | 370.8 |
| 37.5° | 328.2 |
| 40° | 286.1 |
| 42.5° | 247.3 |
| 45° | 209.0 |
| 47.5° | 173.9 |
| 50° | 141.2 |
| 52.5° | 113.1 |
| 55° | 88.8 |
| 57.5° | 68.3 |
| 60° | 51.4 |
| 62.5° | 37.9 |
| 65° | 26.6 |
| 67.5° | 19.6 |
| 70° | 14.0 |
| 72.5° | 10.8 |
| 75° | 7.9 |
| 77.5° | 6.1 |
| 80° | 4.7 |
| 82.5° | 3.7 |
| 85° | 2.8 |
| 87.5° | 1.4 |
| 90° | 0.0 |

(END OF REPORT)