

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: P365832

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR80**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR80
Description: VANDAL RESISTANT ENCLOSED BOTTOM TRIM RING, MATTE WHITE REFLECTOR,
BOTTOM TRIM ACRYLIC, PATTERN 12 0.125", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4151.0 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.95
Luminous Opening: Circular (Dia: 0.44' x H: 0')
CIE Type: Direct

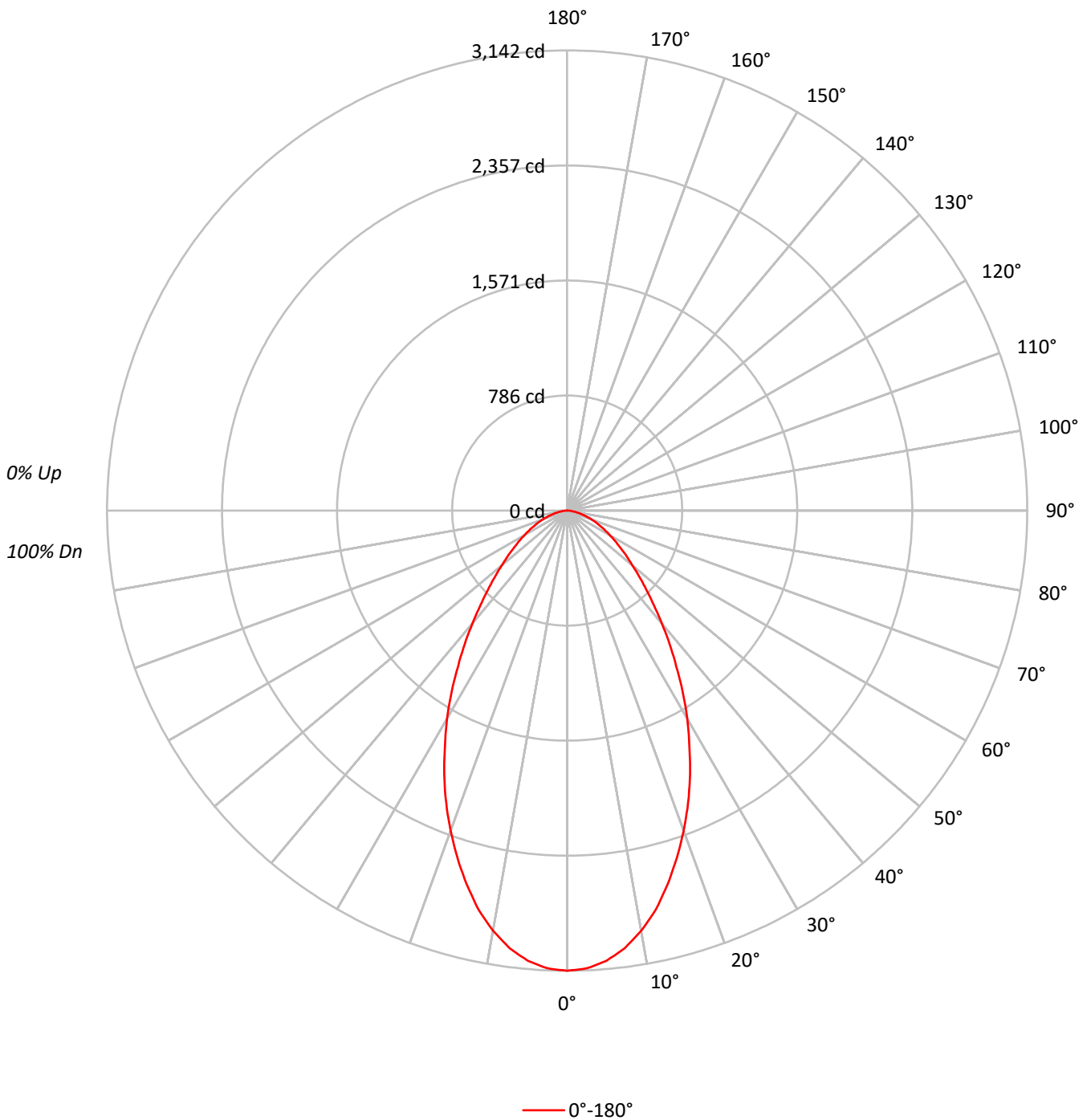
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365832

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR80

Luminous Intensity Polar Plot





TEST NUMBER: P365832

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR80

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 | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 99 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 88 | 84 | 89 | 85 | 82 | 86 | 83 | 80 | 78 |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 83 | 78 | 74 | 81 | 76 | 73 | 78 | 75 | 72 | 70 |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 |
| 5 | 84 | 73 | 66 | 60 | 82 | 72 | 65 | 60 | 70 | 64 | 59 | 68 | 63 | 59 | 66 | 62 | 58 | 56 |
| 6 | 78 | 67 | 60 | 54 | 77 | 66 | 59 | 54 | 65 | 58 | 54 | 63 | 57 | 53 | 62 | 57 | 53 | 51 |
| 7 | 74 | 62 | 55 | 49 | 72 | 61 | 54 | 49 | 60 | 53 | 49 | 59 | 53 | 49 | 57 | 52 | 48 | 47 |
| 8 | 69 | 58 | 50 | 45 | 68 | 57 | 50 | 45 | 56 | 49 | 45 | 55 | 49 | 45 | 53 | 48 | 44 | 43 |
| 9 | 65 | 54 | 46 | 42 | 64 | 53 | 46 | 42 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 224995 |
| 5° | 221728 |
| 10° | 211765 |
| 15° | 196031 |
| 20° | 177250 |
| 25° | 156933 |
| 30° | 135543 |
| 35° | 113589 |
| 40° | 93956 |
| 45° | 77545 |
| 50° | 64786 |
| 55° | 55564 |
| 60° | 48317 |
| 65° | 42576 |
| 70° | 37076 |
| 75° | 31123 |
| 80° | 25647 |
| 85° | 19635 |



TEST NUMBER: P365832

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR80

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 289.0 | 7.0 |
| 10°-20° | 738.8 | 17.8 |
| 20°-30° | 908.8 | 21.9 |
| 30°-40° | 814.8 | 19.6 |
| 40°-50° | 596.3 | 14.4 |
| 50°-60° | 403.2 | 9.7 |
| 60°-70° | 250.5 | 6.0 |
| 70°-80° | 121.1 | 2.9 |
| 80°-90° | 28.6 | 0.7 |
| 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° | 1936.6 | 46.7 |
| 0°-40° | 2751.3 | 66.3 |
| 0°-60° | 3750.8 | 90.4 |
| 0°-90° | 4151.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 4151.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 3142 | |
| 5° | 3085 | 289 |
| 15° | 2644 | 739 |
| 25° | 1986 | 909 |
| 35° | 1300 | 815 |
| 45° | 766 | 596 |
| 55° | 445 | 403 |
| 65° | 251 | 251 |
| 75° | 112 | 121 |
| 85° | 24 | 29 |
| 90° | 0 | |



TEST NUMBER: P365832

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8035-F6LBXVM1-MW-BTR80

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 3142.3 |
| 2.5° | 3127.9 |
| 5° | 3084.9 |
| 7.5° | 3013.1 |
| 10° | 2912.6 |
| 12.5° | 2792.9 |
| 15° | 2644.5 |
| 17.5° | 2489.0 |
| 20° | 2326.2 |
| 22.5° | 2158.7 |
| 25° | 1986.4 |
| 27.5° | 1806.9 |
| 30° | 1639.4 |
| 32.5° | 1467.0 |
| 35° | 1299.5 |
| 37.5° | 1148.7 |
| 40° | 1005.2 |
| 42.5° | 875.9 |
| 45° | 765.8 |
| 47.5° | 667.7 |
| 50° | 581.6 |
| 52.5° | 512.2 |
| 55° | 445.1 |
| 57.5° | 390.1 |
| 60° | 337.4 |
| 62.5° | 292.0 |
| 65° | 251.3 |
| 67.5° | 213.0 |
| 70° | 177.1 |
| 72.5° | 143.6 |
| 75° | 112.5 |
| 77.5° | 83.8 |
| 80° | 62.2 |
| 82.5° | 40.7 |
| 85° | 23.9 |
| 87.5° | 9.6 |
| 90° | 0.0 |

(END OF REPORT)