

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: P365126

Luminaire Tested: **FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BL87**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-43)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BL87
Description: VANDAL RESISTANT ENCLOSED BOTTOM LENS, SPECULAR CLEAR REFLECTOR,
BOTTOM LENS POLYCARBONATE, CLEAR 0.375", 7000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6058.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.82
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

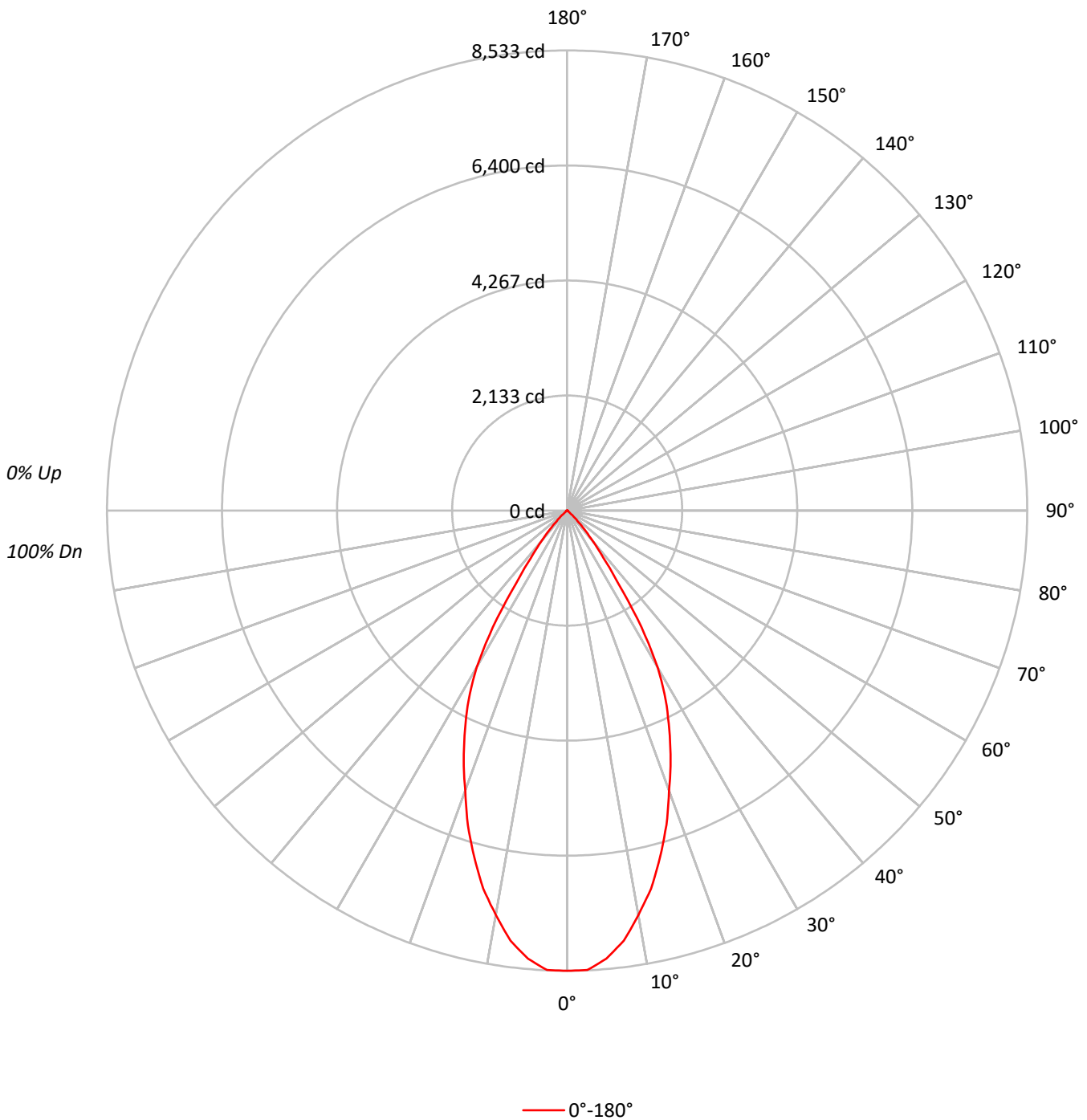
Input Watts (W): 73.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P365126

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BL87

Luminous Intensity Polar Plot





TEST NUMBER: P365126

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BL87

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 | 106 | 102 | 99 | 96 | 99 | 96 | 94 | | 96 | 94 | 92 | | 93 | 91 | 90 | 88 |
| 3 | 103 | 97 | 93 | 89 | 101 | 96 | 92 | 88 | 93 | 90 | 87 | | 91 | 88 | 85 | | 89 | 86 | 84 | 83 |
| 4 | 99 | 91 | 86 | 82 | 97 | 90 | 85 | 82 | 88 | 84 | 81 | | 86 | 83 | 80 | | 84 | 81 | 79 | 77 |
| 5 | 94 | 86 | 80 | 76 | 92 | 85 | 80 | 76 | 83 | 79 | 75 | | 82 | 78 | 75 | | 80 | 77 | 74 | 73 |
| 6 | 90 | 81 | 75 | 71 | 88 | 80 | 75 | 71 | 79 | 74 | 71 | | 77 | 73 | 70 | | 76 | 73 | 70 | 68 |
| 7 | 85 | 77 | 71 | 67 | 84 | 76 | 71 | 67 | 75 | 70 | 66 | | 74 | 69 | 66 | | 72 | 69 | 66 | 64 |
| 8 | 82 | 72 | 67 | 63 | 80 | 72 | 67 | 63 | 71 | 66 | 63 | | 70 | 65 | 62 | | 69 | 65 | 62 | 61 |
| 9 | 78 | 69 | 63 | 59 | 77 | 68 | 63 | 59 | 67 | 62 | 59 | | 66 | 62 | 59 | | 66 | 62 | 59 | 57 |
| 10 | 74 | 65 | 60 | 56 | 74 | 65 | 60 | 56 | 64 | 59 | 56 | | 63 | 59 | 56 | | 63 | 58 | 56 | 54 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 233076 |
| 5° | 228644 |
| 10° | 211148 |
| 15° | 188156 |
| 20° | 160687 |
| 25° | 134951 |
| 30° | 105940 |
| 35° | 54897 |
| 40° | 26215 |
| 45° | 10318 |
| 50° | 2715 |
| 55° | 762 |
| 60° | 497 |
| 65° | 440 |
| 70° | 367 |
| 75° | 485 |
| 80° | 362 |
| 85° | 721 |



TEST NUMBER: P365126

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BL87

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 773.2 | 12.8 |
| 10°-20° | 1849.2 | 30.5 |
| 20°-30° | 2041.7 | 33.7 |
| 30°-40° | 1123.4 | 18.5 |
| 40°-50° | 237.4 | 3.9 |
| 50°-60° | 20.1 | 0.3 |
| 60°-70° | 6.2 | 0.1 |
| 70°-80° | 4.5 | 0.1 |
| 80°-90° | 2.2 | 0.0 |
| 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° | 4664.1 | 77.0 |
| 0°-40° | 5787.5 | 95.5 |
| 0°-60° | 6045.1 | 99.8 |
| 0°-90° | 6058.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6058.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 8533 | |
| 5° | 8339 | 773 |
| 15° | 6654 | 1849 |
| 25° | 4478 | 2042 |
| 35° | 1646 | 1123 |
| 45° | 267 | 237 |
| 55° | 16 | 20 |
| 65° | 7 | 6 |
| 75° | 5 | 5 |
| 85° | 2 | 2 |
| 90° | 0 | |



TEST NUMBER: P365126

CATALOG NUMBER: FLD6BX70D010TE-FEU6B67-8040-F6LBXVM1-LI-BL87

CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 8532.8 |
| 2.5° | 8528.2 |
| 5° | 8338.7 |
| 7.5° | 8046.5 |
| 10° | 7612.6 |
| 12.5° | 7181.1 |
| 15° | 6653.6 |
| 17.5° | 6117.0 |
| 20° | 5527.9 |
| 22.5° | 5011.9 |
| 25° | 4477.6 |
| 27.5° | 3961.6 |
| 30° | 3358.8 |
| 32.5° | 2564.2 |
| 35° | 1646.3 |
| 37.5° | 1109.7 |
| 40° | 735.2 |
| 42.5° | 458.9 |
| 45° | 267.1 |
| 47.5° | 137.0 |
| 50° | 63.9 |
| 52.5° | 27.4 |
| 55° | 16.0 |
| 57.5° | 11.4 |
| 60° | 9.1 |
| 62.5° | 6.8 |
| 65° | 6.8 |
| 67.5° | 4.6 |
| 70° | 4.6 |
| 72.5° | 6.8 |
| 75° | 4.6 |
| 77.5° | 2.3 |
| 80° | 2.3 |
| 82.5° | 2.3 |
| 85° | 2.3 |
| 87.5° | 2.3 |
| 90° | 0.0 |

(END OF REPORT)