

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: P365284

Luminaire Tested: **FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P365284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX15D010-FEU6B12-8030-F6LBXVM1-MW
Description: VANDAL RESISTANT OPEN, MATTE WHITE REFLECTOR, 1500LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1257.0 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.94
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

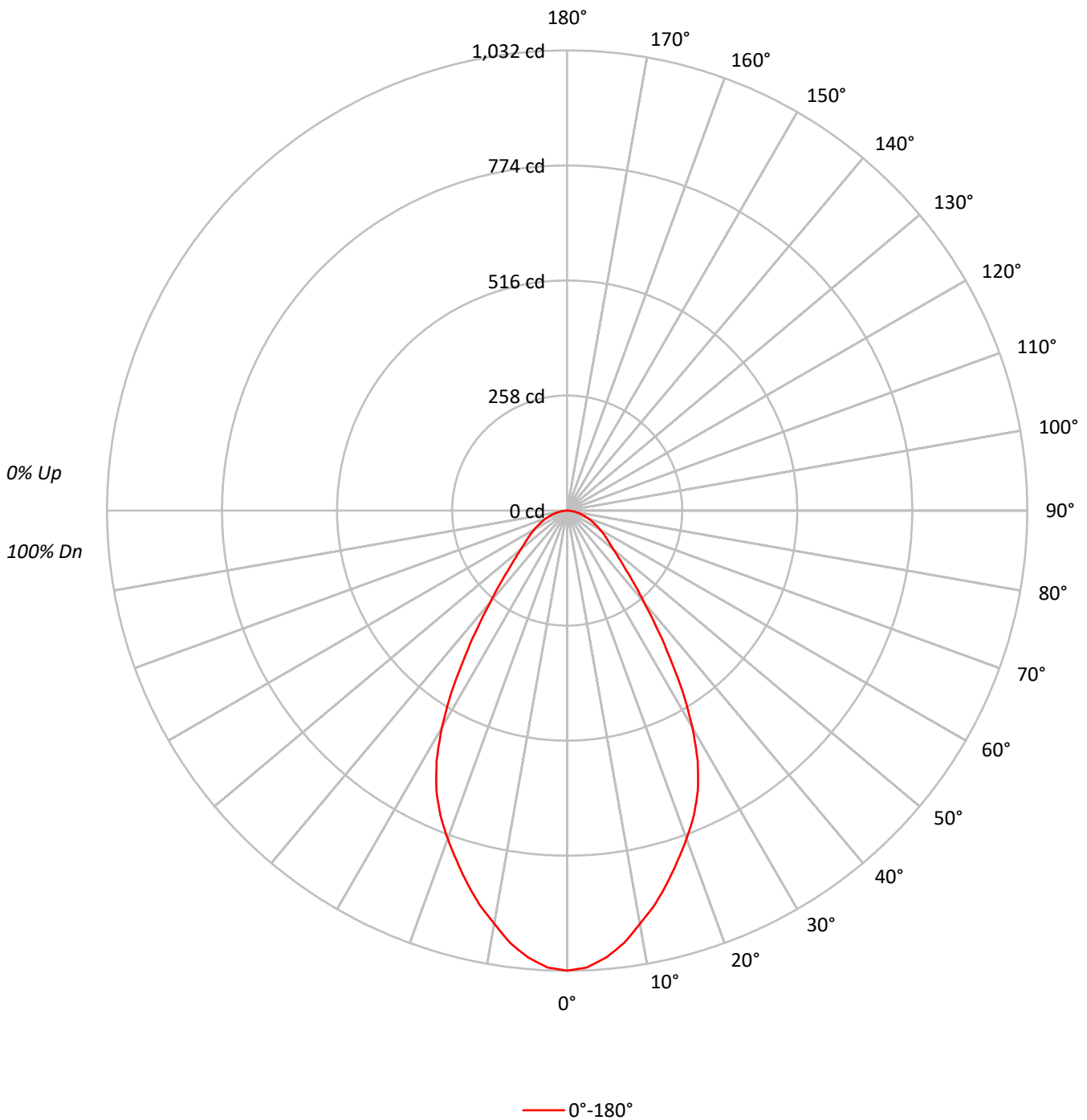
Input Watts (W): 14.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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 | 100 | 102 | 99 | 97 | 98 | 96 | 94 | 94 | 93 | 91 | 89 |
| 2 | 104 | 98 | 93 | 88 | 102 | 96 | 91 | 87 | 93 | 89 | 85 | 89 | 86 | 83 | 87 | 84 | 82 | 80 |
| 3 | 97 | 89 | 83 | 78 | 95 | 88 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 74 | 80 | 76 | 73 | 71 |
| 4 | 91 | 81 | 75 | 69 | 89 | 80 | 74 | 69 | 78 | 72 | 68 | 76 | 71 | 67 | 74 | 70 | 66 | 64 |
| 5 | 85 | 75 | 68 | 62 | 83 | 74 | 67 | 62 | 72 | 66 | 61 | 70 | 65 | 61 | 68 | 64 | 60 | 59 |
| 6 | 80 | 69 | 62 | 57 | 78 | 68 | 61 | 56 | 67 | 61 | 56 | 65 | 60 | 56 | 64 | 59 | 55 | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 57 | 52 | 62 | 56 | 51 | 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 | 63 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 49 | 44 | 41 | 39 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|-------|
| | 0° |
| 0° | 28187 |
| 5° | 27579 |
| 10° | 26092 |
| 15° | 24475 |
| 20° | 22769 |
| 25° | 20901 |
| 30° | 17713 |
| 35° | 13305 |
| 40° | 9546 |
| 45° | 7143 |
| 50° | 5754 |
| 55° | 5105 |
| 60° | 4638 |
| 65° | 4253 |
| 70° | 3889 |
| 75° | 3567 |
| 80° | 3178 |
| 85° | 2633 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 94.0 | 7.5 |
| 10°-20° | 242.7 | 19.3 |
| 20°-30° | 314.3 | 25.0 |
| 30°-40° | 251.6 | 20.0 |
| 40°-50° | 146.7 | 11.7 |
| 50°-60° | 96.7 | 7.7 |
| 60°-70° | 65.6 | 5.2 |
| 70°-80° | 35.9 | 2.9 |
| 80°-90° | 9.7 | 0.8 |
| 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° | 650.9 | 51.8 |
| 0°-40° | 902.5 | 71.8 |
| 0°-60° | 1145.8 | 91.2 |
| 0°-90° | 1257.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 1257.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 1032 | |
| 5° | 1006 | 94 |
| 15° | 866 | 243 |
| 25° | 694 | 314 |
| 35° | 399 | 252 |
| 45° | 185 | 147 |
| 55° | 107 | 97 |
| 65° | 66 | 66 |
| 75° | 34 | 36 |
| 85° | 8 | 10 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 1031.9 |
| 2.5° | 1025.3 |
| 5° | 1005.8 |
| 7.5° | 978.0 |
| 10° | 940.7 |
| 12.5° | 905.9 |
| 15° | 865.5 |
| 17.5° | 823.4 |
| 20° | 783.3 |
| 22.5° | 741.6 |
| 25° | 693.5 |
| 27.5° | 634.0 |
| 30° | 561.6 |
| 32.5° | 483.2 |
| 35° | 399.0 |
| 37.5° | 328.3 |
| 40° | 267.7 |
| 42.5° | 221.8 |
| 45° | 184.9 |
| 47.5° | 156.7 |
| 50° | 135.4 |
| 52.5° | 119.4 |
| 55° | 107.2 |
| 57.5° | 96.1 |
| 60° | 84.9 |
| 62.5° | 75.2 |
| 65° | 65.8 |
| 67.5° | 57.4 |
| 70° | 48.7 |
| 72.5° | 41.1 |
| 75° | 33.8 |
| 77.5° | 26.8 |
| 80° | 20.2 |
| 82.5° | 13.9 |
| 85° | 8.4 |
| 87.5° | 3.1 |
| 90° | 0.0 |

(END OF REPORT)