

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: P364996

Luminaire Tested: **FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P364996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1910-544-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: FAIL-SAFE
Catalog Number: FLD6BX60D010TE-FEU6B67-8027-F6LBXVM1-LI
Description: VANDAL RESISTANT OPEN, SPECULAR CLEAR REFLECTOR, 6000LM
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5601.0 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.81
Luminous Opening: Circular (Dia: 0.71' x H: 0')
CIE Type: Direct

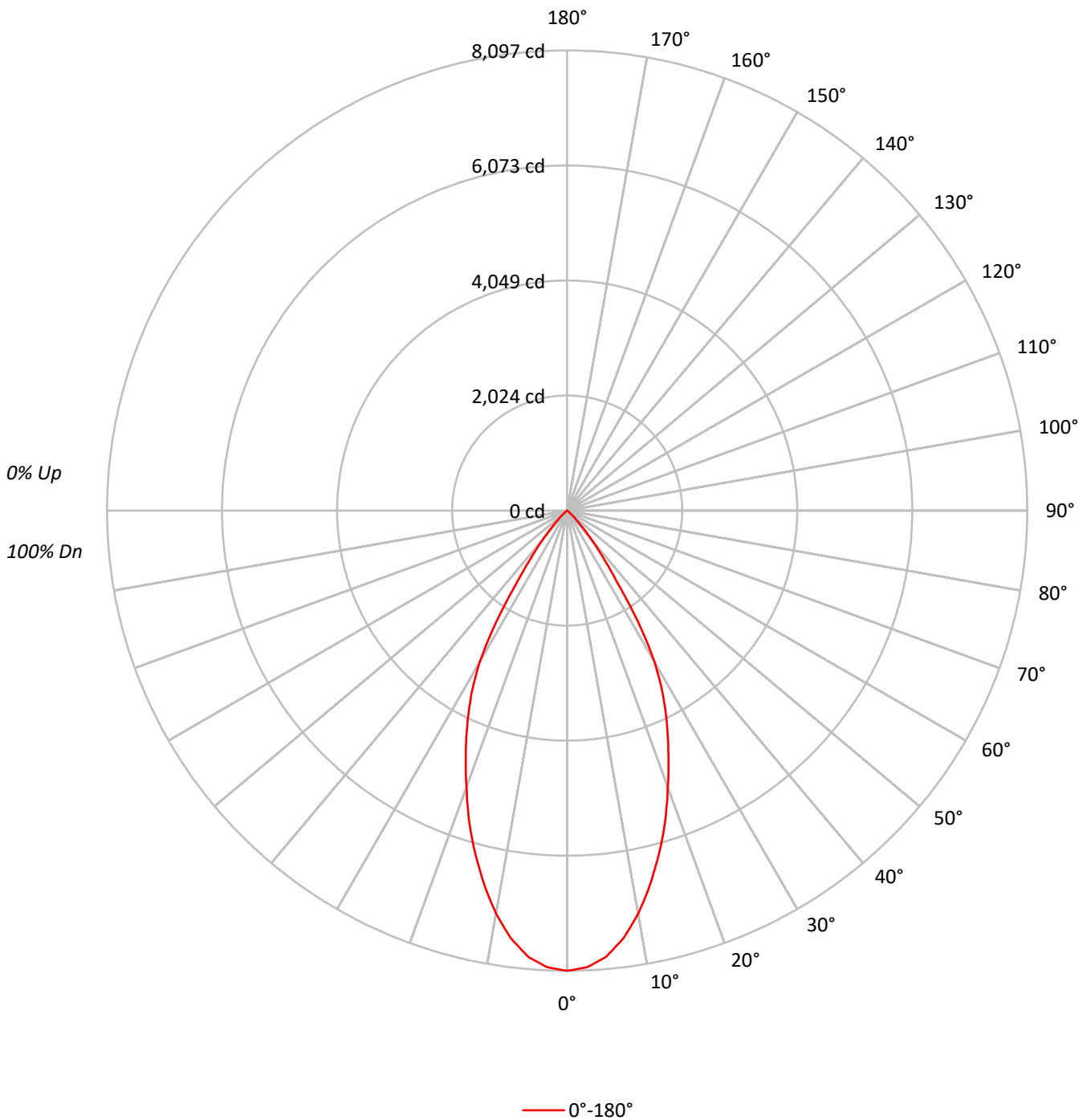
Input Watts (W): 58.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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 | 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 | 92 | 90 | 88 |
| 3 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 94 | 90 | 87 | 91 | 88 | 86 | 89 | 87 | 84 | 83 |
| 4 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 82 | 88 | 84 | 81 | 87 | 83 | 80 | 85 | 82 | 79 | 78 |
| 5 | 94 | 86 | 81 | 77 | 93 | 85 | 80 | 76 | 84 | 79 | 76 | 82 | 78 | 75 | 81 | 77 | 75 | 73 |
| 6 | 90 | 81 | 76 | 72 | 88 | 81 | 75 | 72 | 79 | 75 | 71 | 78 | 74 | 71 | 77 | 73 | 70 | 69 |
| 7 | 86 | 77 | 71 | 67 | 84 | 76 | 71 | 67 | 75 | 70 | 67 | 74 | 70 | 66 | 73 | 69 | 66 | 65 |
| 8 | 82 | 73 | 67 | 63 | 81 | 72 | 67 | 63 | 71 | 66 | 63 | 70 | 66 | 63 | 69 | 65 | 62 | 61 |
| 9 | 78 | 69 | 64 | 60 | 77 | 69 | 63 | 60 | 68 | 63 | 60 | 67 | 62 | 59 | 66 | 62 | 59 | 58 |
| 10 | 75 | 66 | 60 | 57 | 74 | 65 | 60 | 56 | 64 | 60 | 56 | 64 | 59 | 56 | 63 | 59 | 56 | 55 |

AVERAGE LUMINANCE (cd/sqm):

| | |
|-----|--------|
| | 0° |
| 0° | 221166 |
| 5° | 216088 |
| 10° | 199770 |
| 15° | 176658 |
| 20° | 150591 |
| 25° | 125270 |
| 30° | 97162 |
| 35° | 50469 |
| 40° | 23441 |
| 45° | 8858 |
| 50° | 1951 |
| 55° | 271 |
| 60° | 104 |
| 65° | 123 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 730.3 | 13.0 |
| 10°-20° | 1736.5 | 31.0 |
| 20°-30° | 1892.7 | 33.8 |
| 30°-40° | 1023.4 | 18.3 |
| 40°-50° | 206.8 | 3.7 |
| 50°-60° | 9.8 | 0.2 |
| 60°-70° | 1.6 | 0.0 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 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° | 4359.4 | 77.8 |
| 0°-40° | 5382.8 | 96.1 |
| 0°-60° | 5599.4 | 100.0 |
| 0°-90° | 5601.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 5601.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 8097 | |
| 5° | 7881 | 730 |
| 15° | 6247 | 1737 |
| 25° | 4156 | 1893 |
| 35° | 1514 | 1023 |
| 45° | 229 | 207 |
| 55° | 6 | 10 |
| 65° | 2 | 2 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 8096.8 |
| 2.5° | 8043.3 |
| 5° | 7880.8 |
| 7.5° | 7588.5 |
| 10° | 7202.4 |
| 12.5° | 6741.9 |
| 15° | 6247.0 |
| 17.5° | 5734.8 |
| 20° | 5180.6 |
| 22.5° | 4658.9 |
| 25° | 4156.4 |
| 27.5° | 3651.9 |
| 30° | 3080.5 |
| 32.5° | 2318.0 |
| 35° | 1513.5 |
| 37.5° | 1010.9 |
| 40° | 657.4 |
| 42.5° | 405.1 |
| 45° | 229.3 |
| 47.5° | 114.7 |
| 50° | 45.9 |
| 52.5° | 11.5 |
| 55° | 5.7 |
| 57.5° | 3.8 |
| 60° | 1.9 |
| 62.5° | 1.9 |
| 65° | 1.9 |
| 67.5° | 1.9 |
| 70° | 0.0 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)