

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: STREETWORKS

Report Number: P525453

Luminaire Tested: **IFLD-M-SA4C-927-U-44**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P525453  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4C-927-U-44  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44  
distribution lens  
Light Source: (64) 2700K CCT, 90 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18503.9 lumens  
Efficiency: N/A  
Efficacy: 84.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

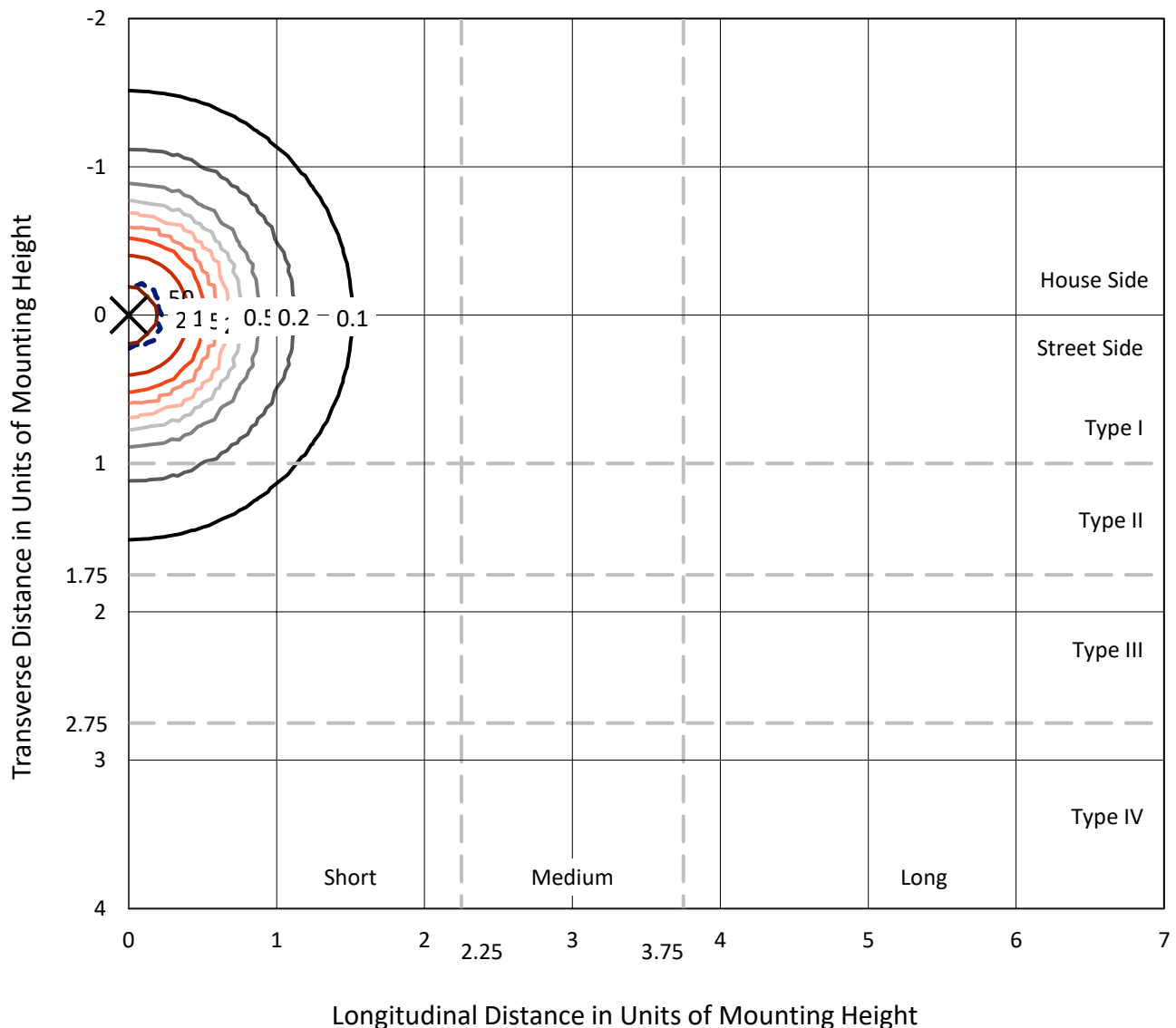
Input Watts (W): 218.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

REPORT NUMBER: P525453

CATALOG NUMBER: IFLD-M-SA4C-927-U-44

## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

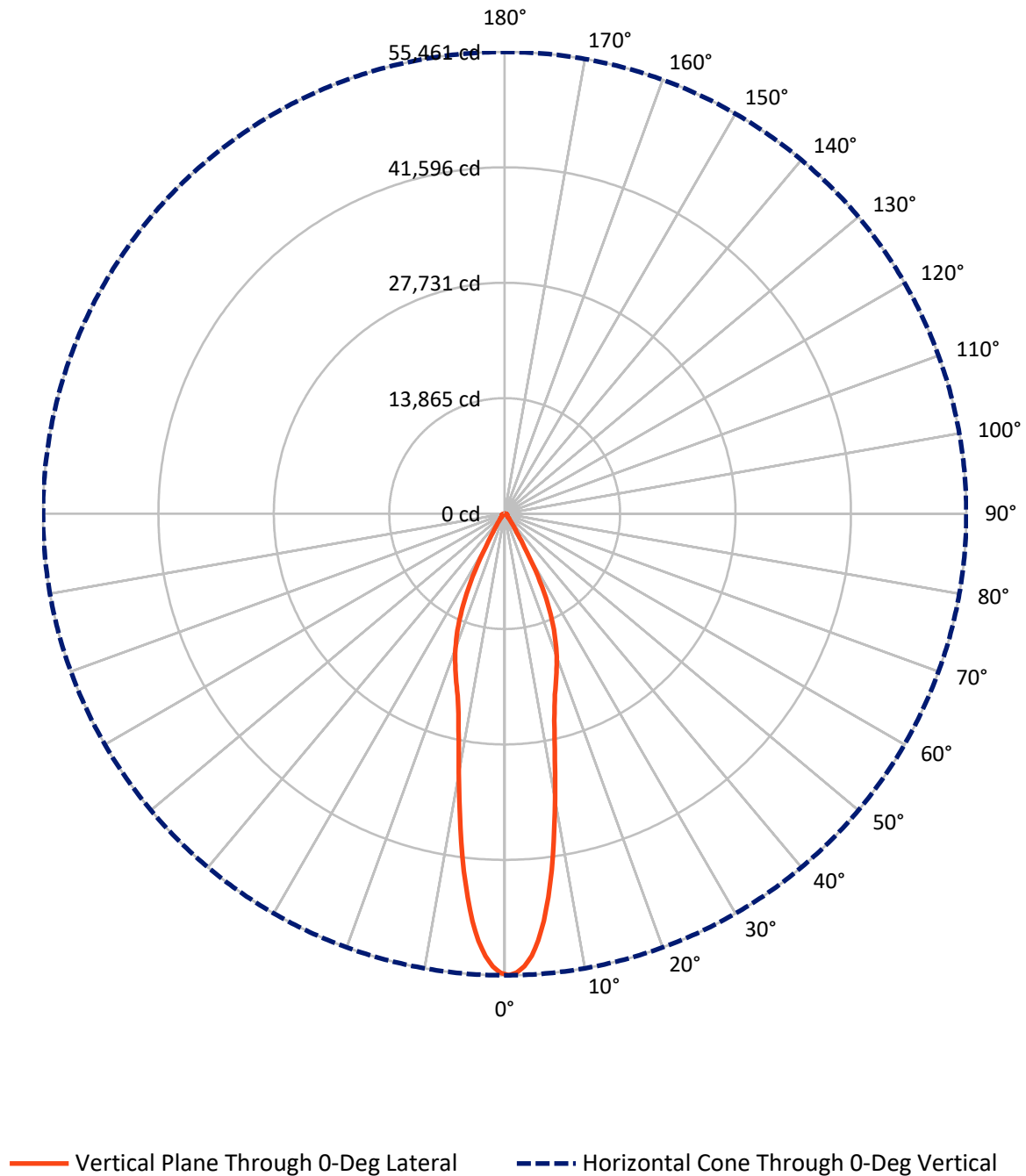


Based on 25 foot mounting height. Maximum calculated value = 88.7 fc

Type V - Short - N/A

REPORT NUMBER: P525453  
CATALOG NUMBER: IFLD-M-SA4C-927-U-44

## Luminous Intensity Polar Plot



REPORT NUMBER: P525453

CATALOG NUMBER: IFLD-M-SA4C-927-U-44

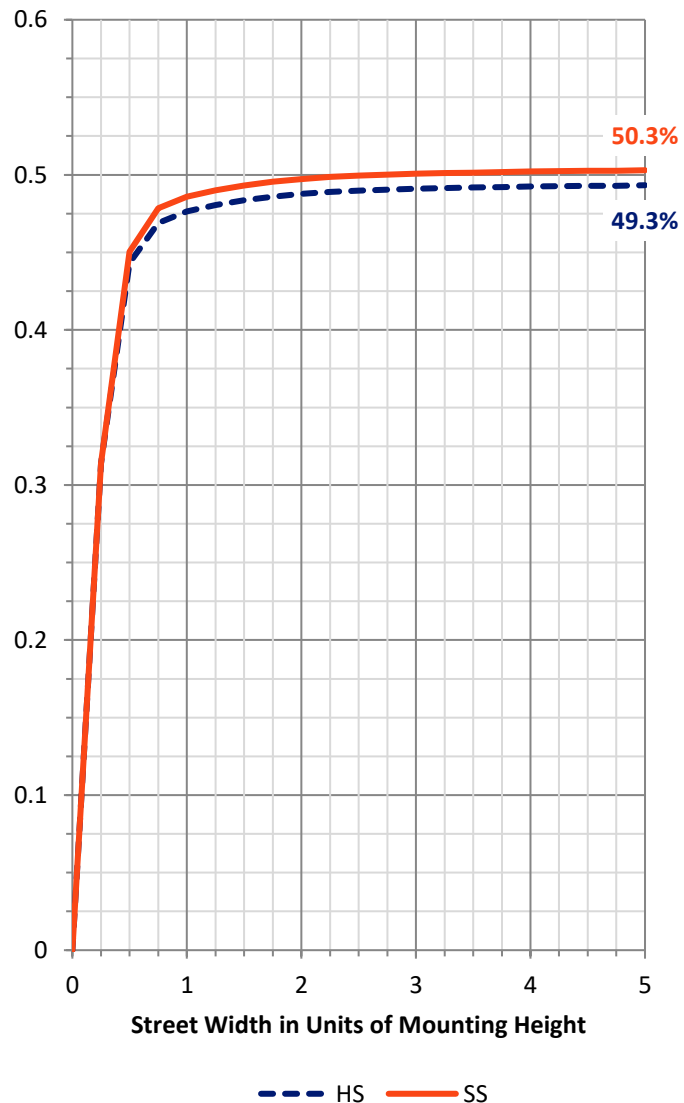
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9252.0   | 0.0    | 9252.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 9252.0   | 0.0    | 9252.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 18503.9  | 0.0    | 18503.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 4151.7  | 22.4      |
| 10°-20°   | 6474.8  | 35.0      |
| 20°-30°   | 5246.7  | 28.4      |
| 30°-40°   | 1273.4  | 6.9       |
| 40°-50°   | 428.5   | 2.3       |
| 50°-60°   | 338.6   | 1.8       |
| 60°-70°   | 337.8   | 1.8       |
| 70°-80°   | 186.4   | 1.0       |
| 80°-90°   | 66.1    | 0.4       |
| 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°-90°    | 18503.9 | 100.0     |
| 0°-180°   | 18503.9 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P525453

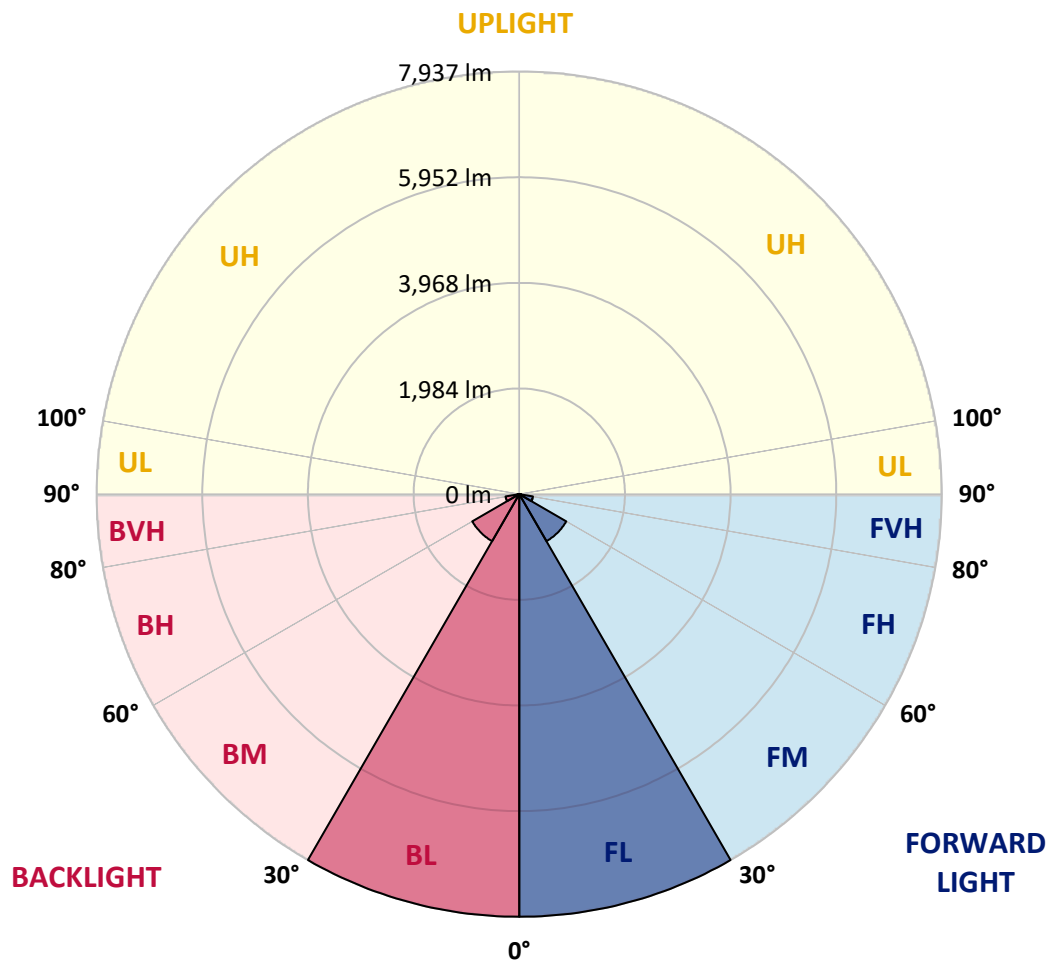
CATALOG NUMBER: IFLD-M-SA4C-927-U-44

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |        |
|------|-------------|--------|-----------|-------------------------|------|--------|
|      |             |        |           | B                       | U    | G      |
| FL   | (0°-30°)    | 7936.6 | 42.9      |                         |      |        |
| FM   | (30°-60°)   | 1020.3 | 5.5       |                         |      |        |
| FH   | (60°-80°)   | 262.1  | 1.4       |                         |      | G0/660 |
| FVH  | (80°-90°)   | 33.0   | 0.2       |                         |      | G1/100 |
| BL   | (0°-30°)    | 7936.6 | 42.9      | B5                      |      |        |
| BM   | (30°-60°)   | 1020.3 | 5.5       | B2/2500                 |      |        |
| BH   | (60°-80°)   | 262.1  | 1.4       | B1/500                  |      | G0/660 |
| BVH  | (80°-90°)   | 33.0   | 0.2       |                         |      | G1/100 |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |        |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |        |

**BUG Rating: B5-U0-G1**

Type V Short



REPORT NUMBER: P525453

CATALOG NUMBER: IFLD-M-SA4C-927-U-44

**CANDELA DISTRIBUTION (FULL):**

| 0°    |         |
|-------|---------|
| 0°    | 55461.1 |
| 1°    | 55172.4 |
| 2°    | 54430.4 |
| 3°    | 53200.1 |
| 4°    | 51432.9 |
| 5°    | 49153.1 |
| 6°    | 46360.6 |
| 7°    | 43238.9 |
| 8°    | 39850.2 |
| 9°    | 36439.9 |
| 10°   | 33177.9 |
| 11°   | 30242.4 |
| 12°   | 27671.2 |
| 13°   | 25558.6 |
| 14°   | 23875.0 |
| 15°   | 22550.3 |
| 17.5° | 20097.8 |
| 20°   | 17815.2 |
| 22.5° | 15141.5 |
| 25°   | 12036.0 |
| 27.5° | 8496.2  |
| 30°   | 4616.4  |
| 32.5° | 2654.9  |
| 35°   | 1772.6  |
| 37.5° | 1208.7  |
| 40°   | 860.7   |
| 42.5° | 666.4   |
| 45°   | 520.7   |
| 47.5° | 426.3   |
| 50°   | 391.2   |
| 52.5° | 372.3   |
| 55°   | 364.2   |
| 57.5° | 377.7   |
| 60°   | 399.3   |
| 62.5° | 391.2   |
| 65°   | 348.0   |
| 67.5° | 299.5   |
| 70°   | 253.6   |
| 72.5° | 210.4   |
| 75°   | 172.7   |
| 77.5° | 140.3   |
| 80°   | 113.3   |
| 82.5° | 91.7    |
| 85°   | 70.1    |
| 87.5° | 24.3    |

REPORT NUMBER: P525453  
CATALOG NUMBER: IFLD-M-SA4C-927-U-44

CANDELA DISTRIBUTION (continued):

0°  
90° | 0.0

(END OF REPORT)