

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: P525956

Luminaire Tested: **IFLD-S-SA6D-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525956
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

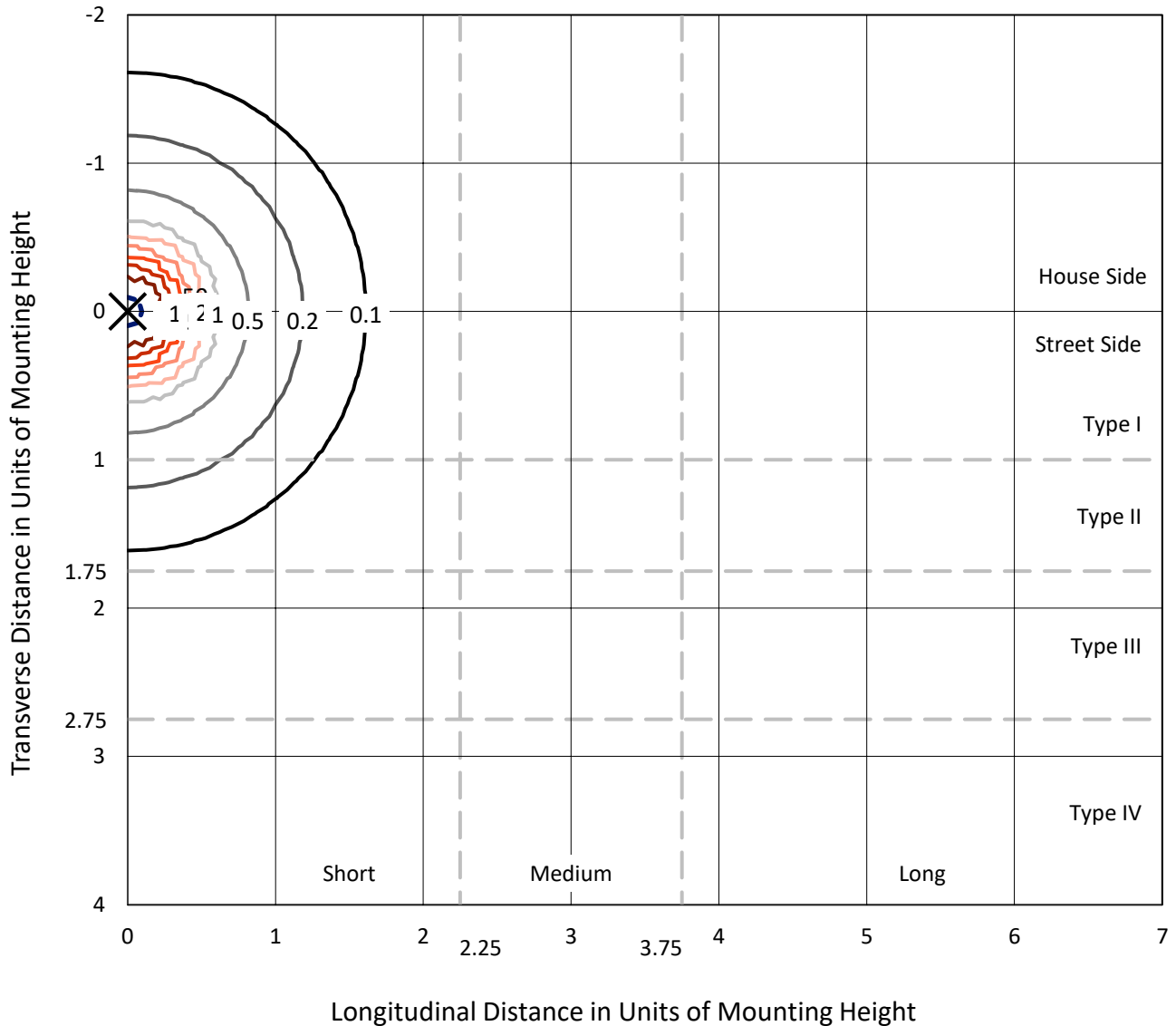
Lumens per Lamp: N/A
Luminaire Lumens: 33755.9 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 368.2
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

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Iso-Footcandle Lines of Horizontal Illumination

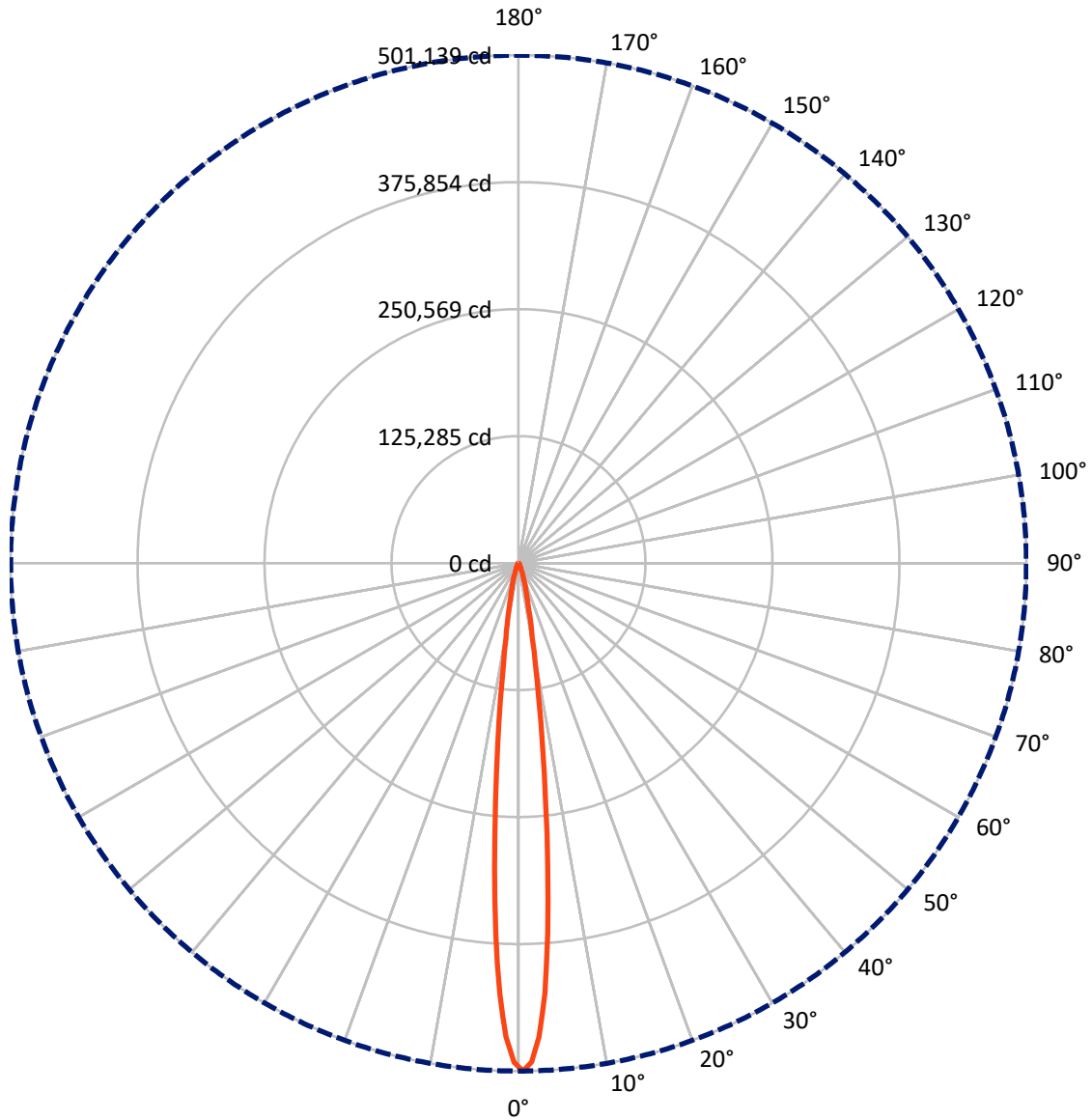
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 556.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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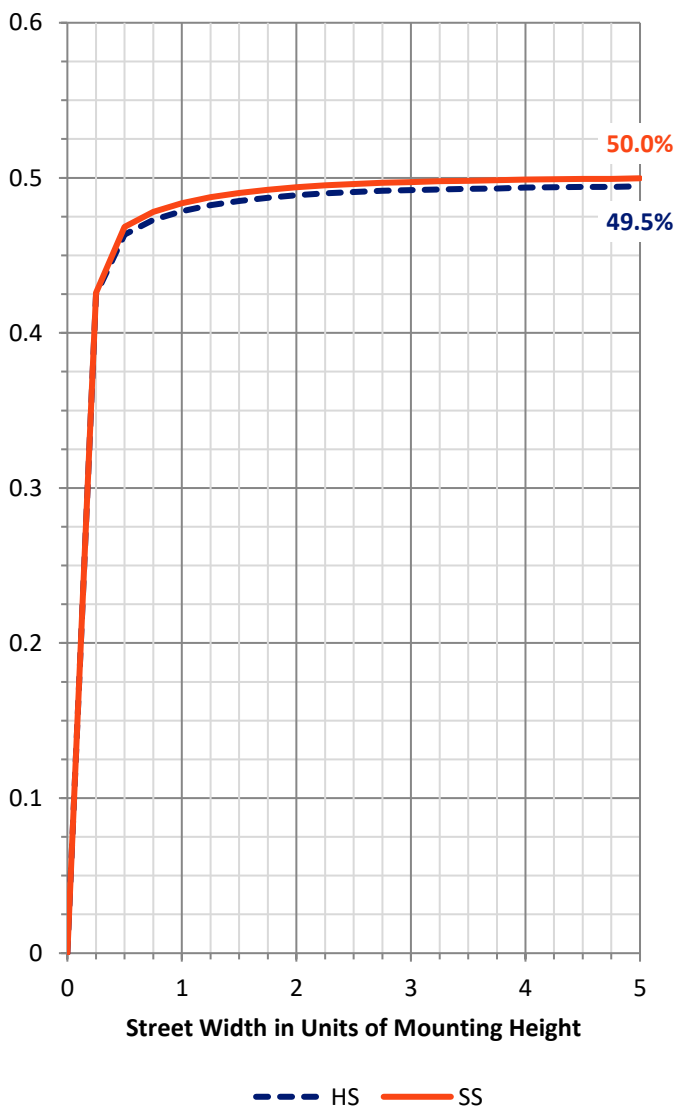
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 16877.9 | 0.0 | 16877.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 16877.9 | 0.0 | 16877.9 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 33755.9 | 0.0 | 33755.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 20711.9 | 61.4 |
| 10°-20° | 8241.5 | 24.4 |
| 20°-30° | 1900.3 | 5.6 |
| 30°-40° | 721.4 | 2.1 |
| 40°-50° | 588.8 | 1.7 |
| 50°-60° | 565.5 | 1.7 |
| 60°-70° | 541.8 | 1.6 |
| 70°-80° | 358.6 | 1.1 |
| 80°-90° | 126.0 | 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° | 33755.9 | 100.0 |
| 0°-180° | 33755.9 | 100.0 |

Coefficient of Utilization



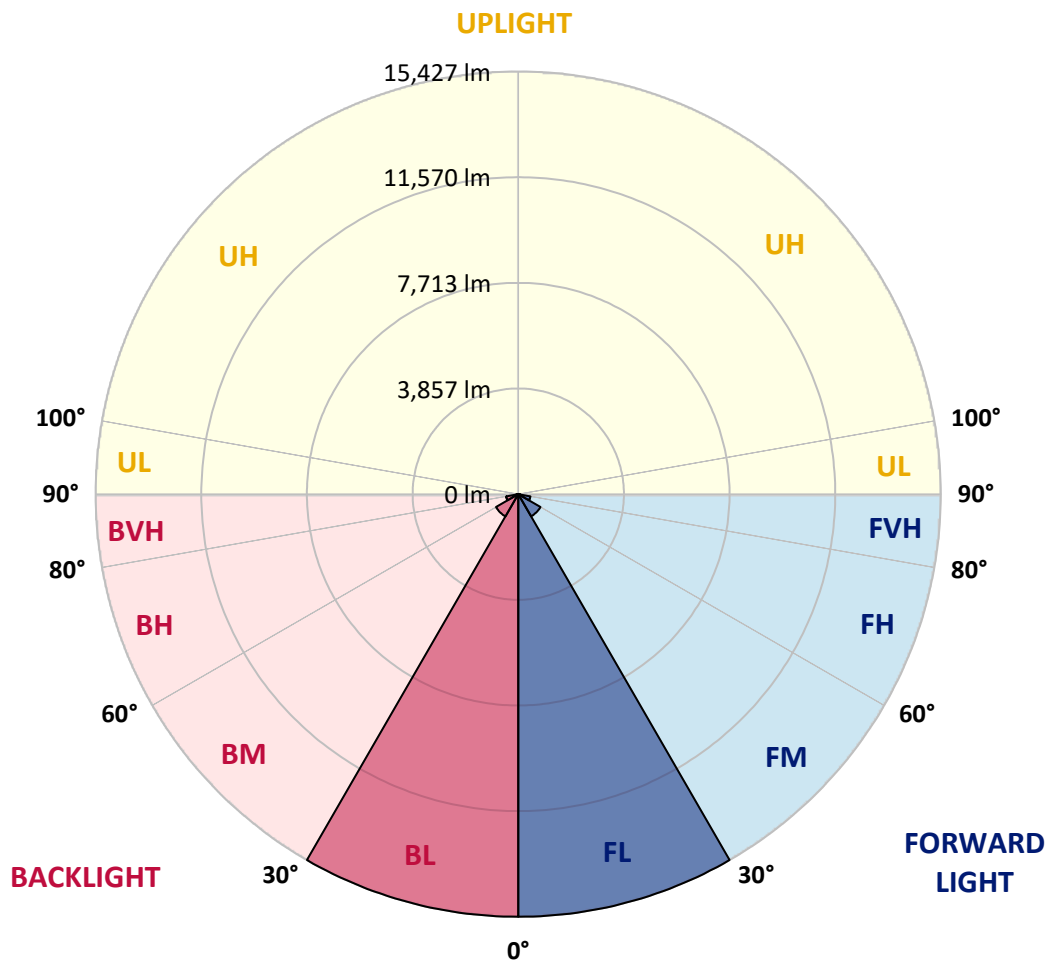
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 15426.8 | 45.7 | | | |
| FM (30°-60°) | 937.9 | 2.8 | | | |
| FH (60°-80°) | 450.2 | 1.3 | | | G0/660 |
| FVH (80°-90°) | 63.0 | 0.2 | | | G1/100 |
| BL (0°-30°) | 15426.8 | 45.7 | B5 | | |
| BM (30°-60°) | 937.9 | 2.8 | B1/1000 | | |
| BH (60°-80°) | 450.2 | 1.3 | B1/500 | | G0/660 |
| BVH (80°-90°) | 63.0 | 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



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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|----------|
| 0° | 501138.7 |
| 1° | 492322.9 |
| 2° | 467628.8 |
| 3° | 425213.9 |
| 4° | 366895.9 |
| 5° | 301138.9 |
| 6° | 236748.9 |
| 7° | 181362.8 |
| 8° | 135362.2 |
| 9° | 100921.1 |
| 10° | 75261.2 |
| 12.5° | 41018.2 |
| 15° | 26318.6 |
| 17.5° | 17760.4 |
| 20° | 10559.2 |
| 22.5° | 5873.9 |
| 25° | 3357.9 |
| 27.5° | 2129.7 |
| 30° | 1535.3 |
| 32.5° | 1253.0 |
| 35° | 1114.4 |
| 37.5° | 1035.1 |
| 40° | 931.1 |
| 42.5° | 827.1 |
| 45° | 738.0 |
| 47.5° | 693.4 |
| 50° | 663.7 |
| 52.5° | 643.9 |
| 55° | 629.0 |
| 57.5° | 619.1 |
| 60° | 599.3 |
| 62.5° | 584.4 |
| 65° | 554.7 |
| 67.5° | 515.1 |
| 70° | 465.6 |
| 72.5° | 401.2 |
| 75° | 336.8 |
| 77.5° | 277.4 |
| 80° | 222.9 |
| 82.5° | 173.3 |
| 85° | 128.8 |
| 87.5° | 49.5 |
| 90° | 0.0 |

(END OF REPORT)