

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: P525817

Luminaire Tested: **IFLD-S-SA2B-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525817
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

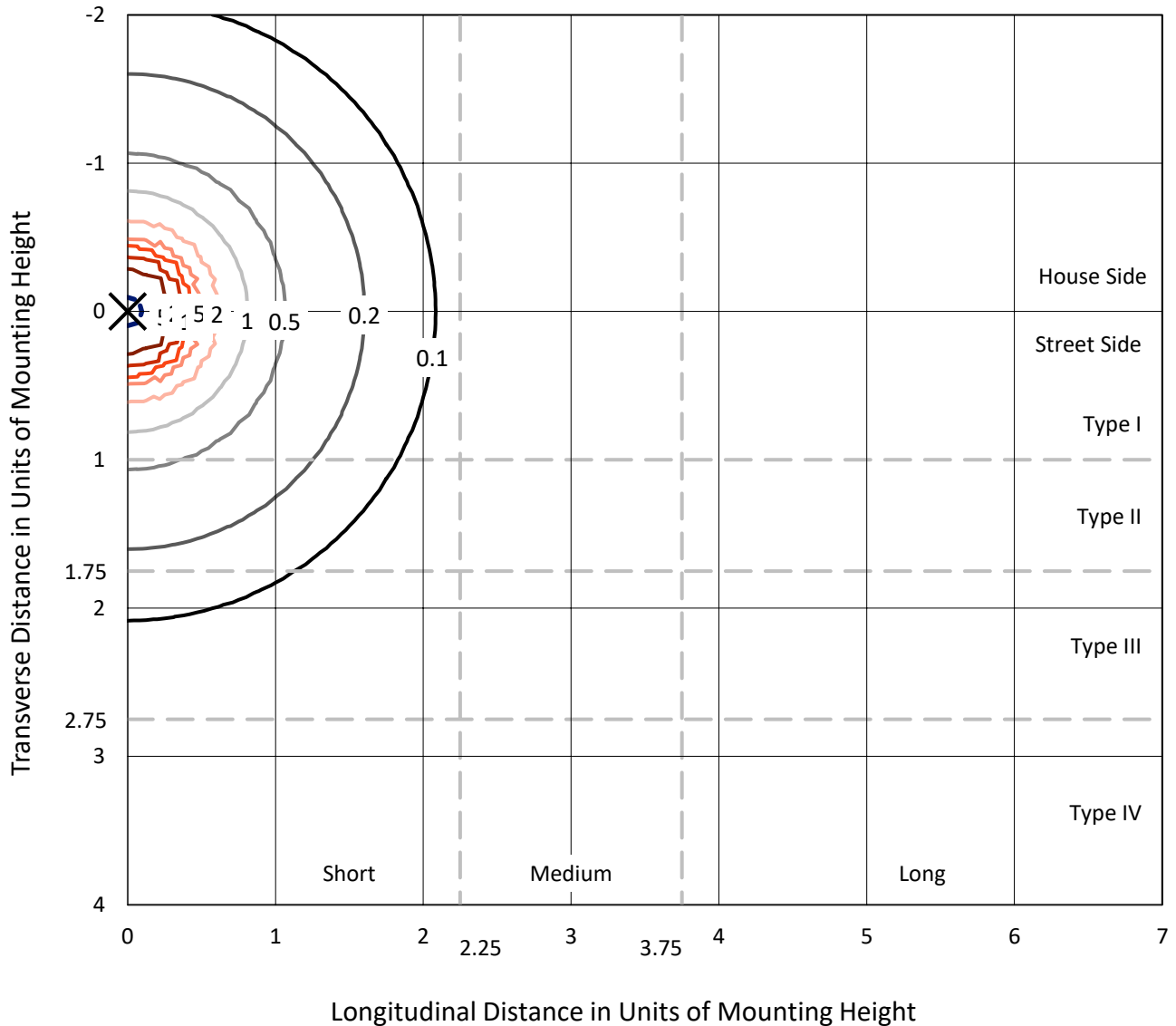
Lumens per Lamp: N/A
Luminaire Lumens: 7385.2 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 82.4
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

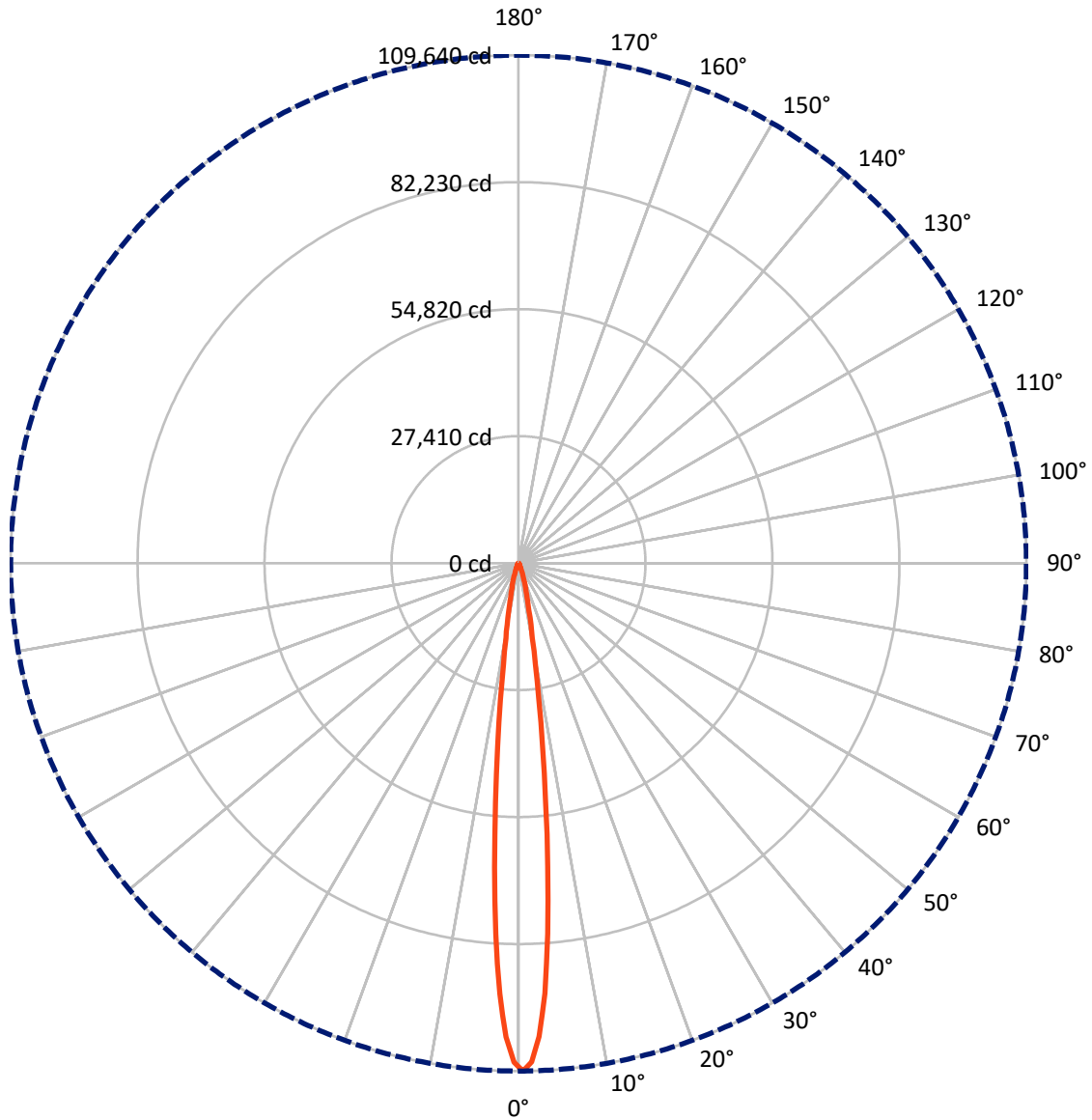
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1096.4 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 | 3692.6 | 0.0 | 3692.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 3692.6 | 0.0 | 3692.6 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 7385.2 | 0.0 | 7385.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4531.4 | 61.4 |
| 10°-20° | 1803.1 | 24.4 |
| 20°-30° | 415.8 | 5.6 |
| 30°-40° | 157.8 | 2.1 |
| 40°-50° | 128.8 | 1.7 |
| 50°-60° | 123.7 | 1.7 |
| 60°-70° | 118.6 | 1.6 |
| 70°-80° | 78.5 | 1.1 |
| 80°-90° | 27.6 | 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° | 7385.2 | 100.0 |
| 0°-180° | 7385.2 | 100.0 |

Coefficient of Utilization



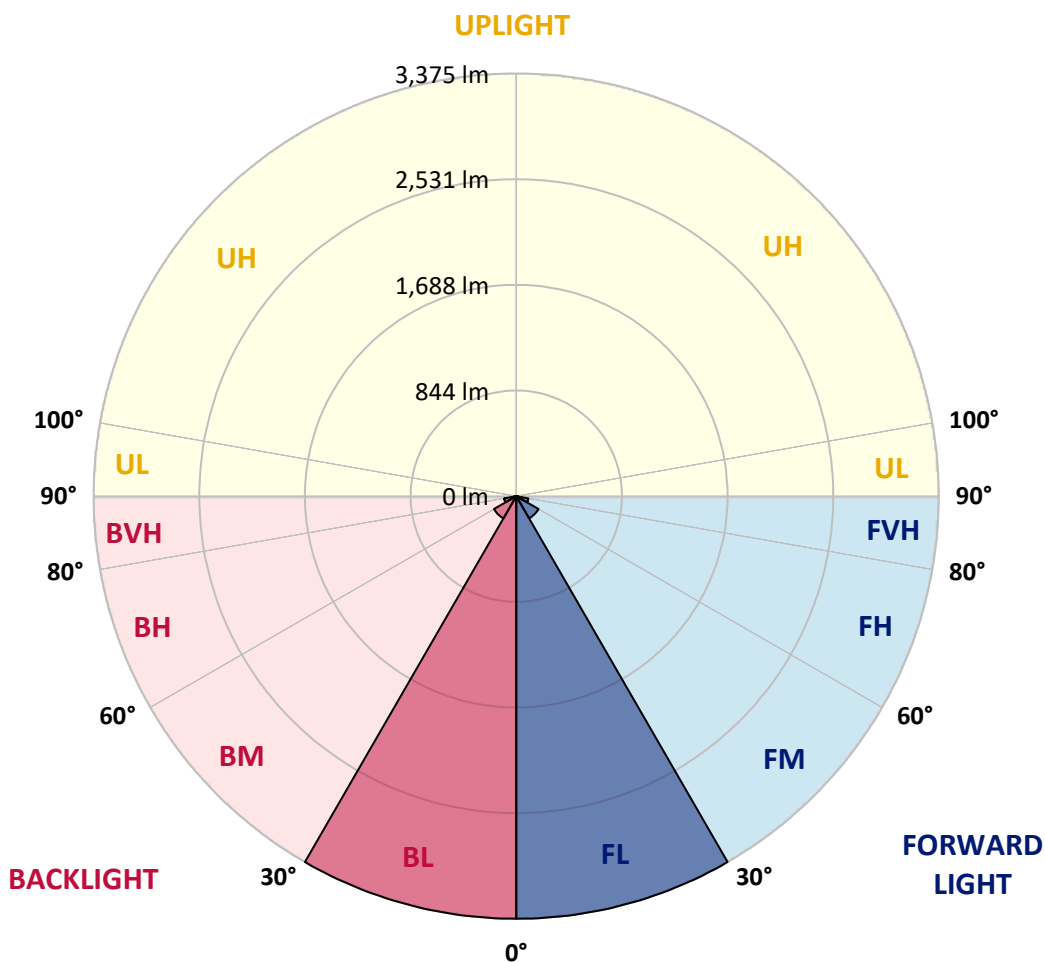
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 3375.1 | 45.7 | | | |
| FM (30°-60°) | 205.2 | 2.8 | | | |
| FH (60°-80°) | 98.5 | 1.3 | | | G0/660 |
| FVH (80°-90°) | 13.8 | 0.2 | | | G1/100 |
| BL (0°-30°) | 3375.1 | 45.7 | B4/5000 | | |
| BM (30°-60°) | 205.2 | 2.8 | B0/220 | | |
| BH (60°-80°) | 98.5 | 1.3 | B0/110 | | G0/660 |
| BVH (80°-90°) | 13.8 | 0.2 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° |
|-------|----------|
| 0° | 109640.1 |
| 1° | 107711.3 |
| 2° | 102308.7 |
| 3° | 93029.1 |
| 4° | 80270.2 |
| 5° | 65883.7 |
| 6° | 51796.4 |
| 7° | 39678.9 |
| 8° | 29614.8 |
| 9° | 22079.7 |
| 10° | 16465.8 |
| 12.5° | 8974.0 |
| 15° | 5758.0 |
| 17.5° | 3885.6 |
| 20° | 2310.2 |
| 22.5° | 1285.1 |
| 25° | 734.7 |
| 27.5° | 465.9 |
| 30° | 335.9 |
| 32.5° | 274.1 |
| 35° | 243.8 |
| 37.5° | 226.5 |
| 40° | 203.7 |
| 42.5° | 181.0 |
| 45° | 161.5 |
| 47.5° | 151.7 |
| 50° | 145.2 |
| 52.5° | 140.9 |
| 55° | 137.6 |
| 57.5° | 135.4 |
| 60° | 131.1 |
| 62.5° | 127.9 |
| 65° | 121.4 |
| 67.5° | 112.7 |
| 70° | 101.9 |
| 72.5° | 87.8 |
| 75° | 73.7 |
| 77.5° | 60.7 |
| 80° | 48.8 |
| 82.5° | 37.9 |
| 85° | 28.2 |
| 87.5° | 10.8 |
| 90° | 0.0 |

(END OF REPORT)