

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: P525852

Luminaire Tested: **IFLD-L-SA8B-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525852
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

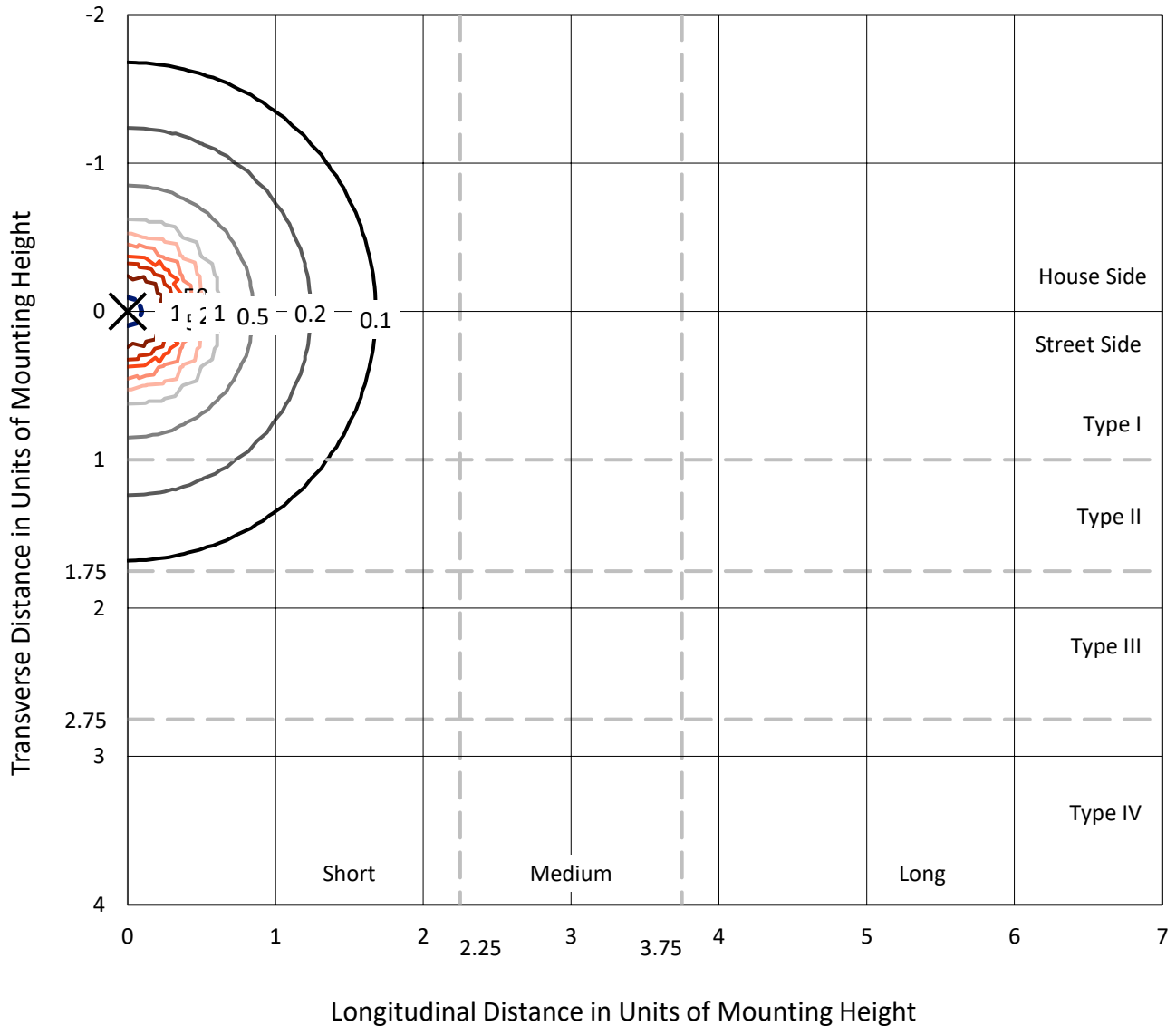
Lumens per Lamp: N/A
Luminaire Lumens: 25895 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 320
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

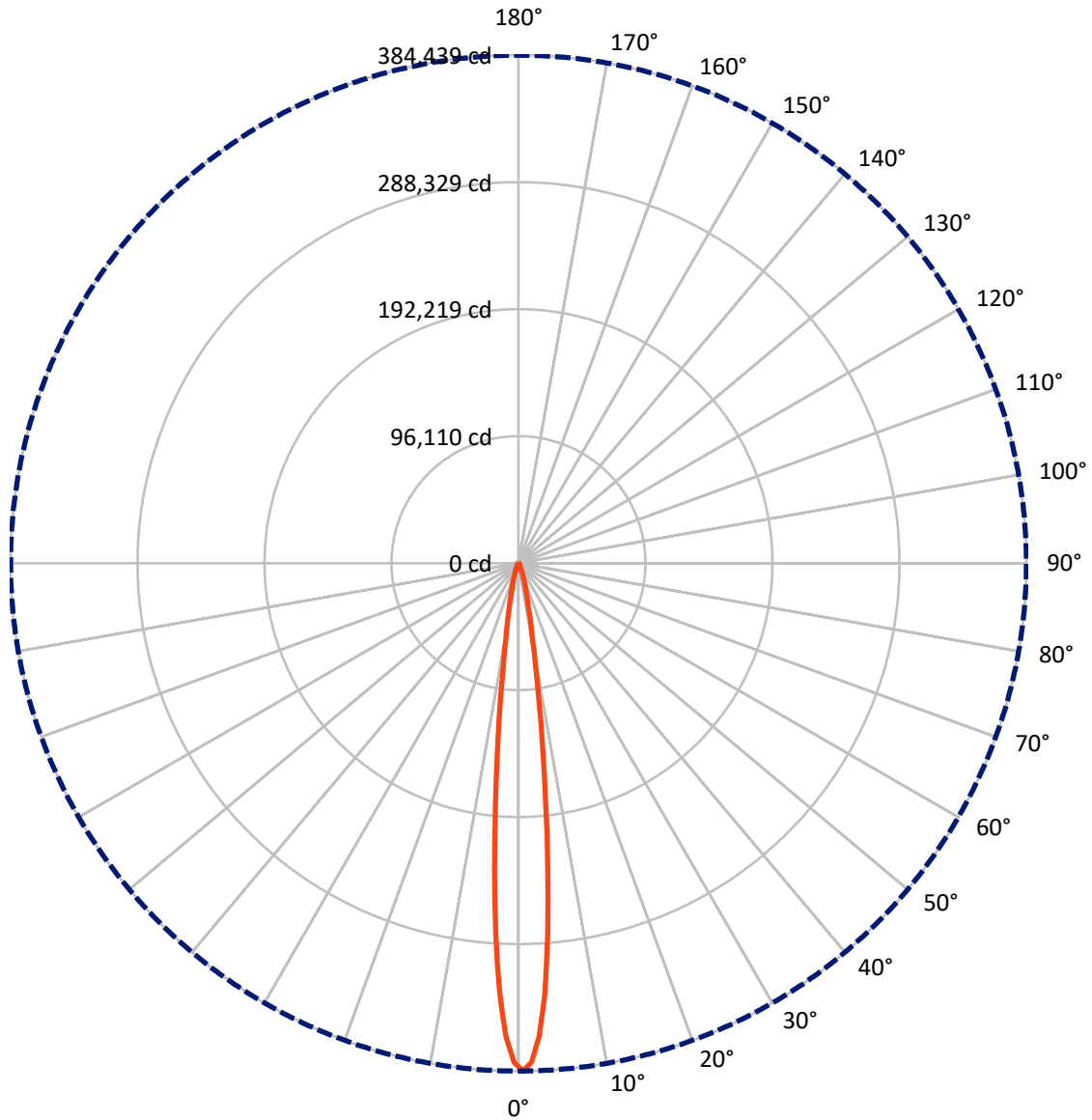
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 615.1 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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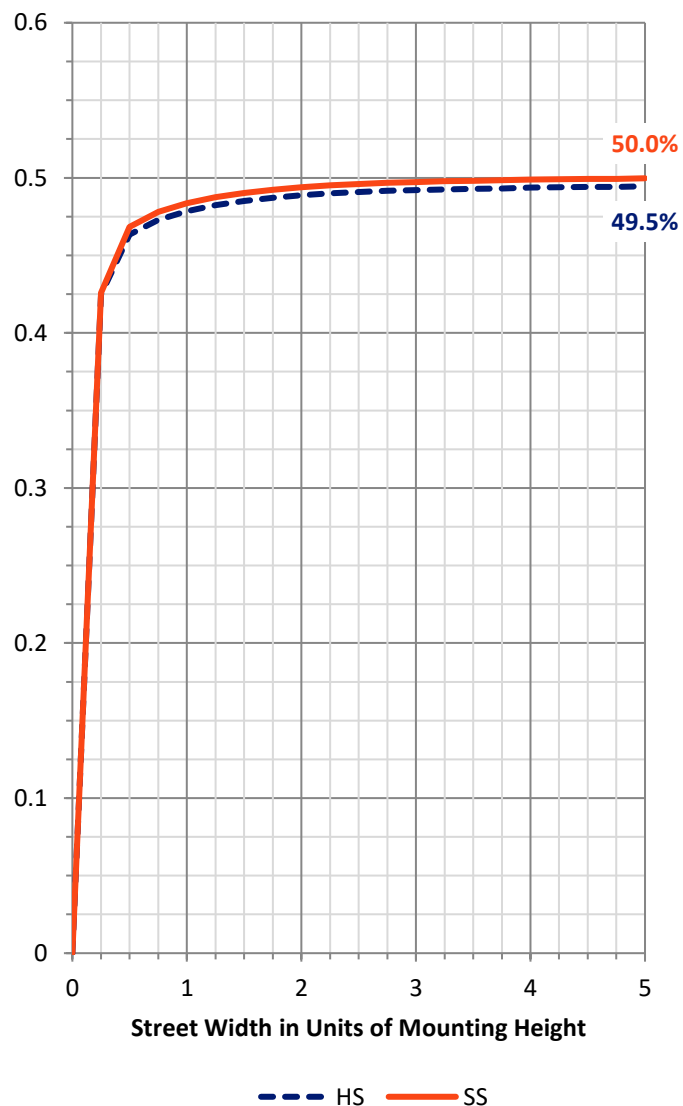
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12947.5	0.0	12947.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12947.5	0.0	12947.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25895.0	0.0	25895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15888.7	61.4
10°-20°	6322.3	24.4
20°-30°	1457.8	5.6
30°-40°	553.5	2.1
40°-50°	451.7	1.7
50°-60°	433.8	1.7
60°-70°	415.6	1.6
70°-80°	275.1	1.1
80°-90°	96.7	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°	25895.0	100.0
0°-180°	25895.0	100.0

Coefficient of Utilization



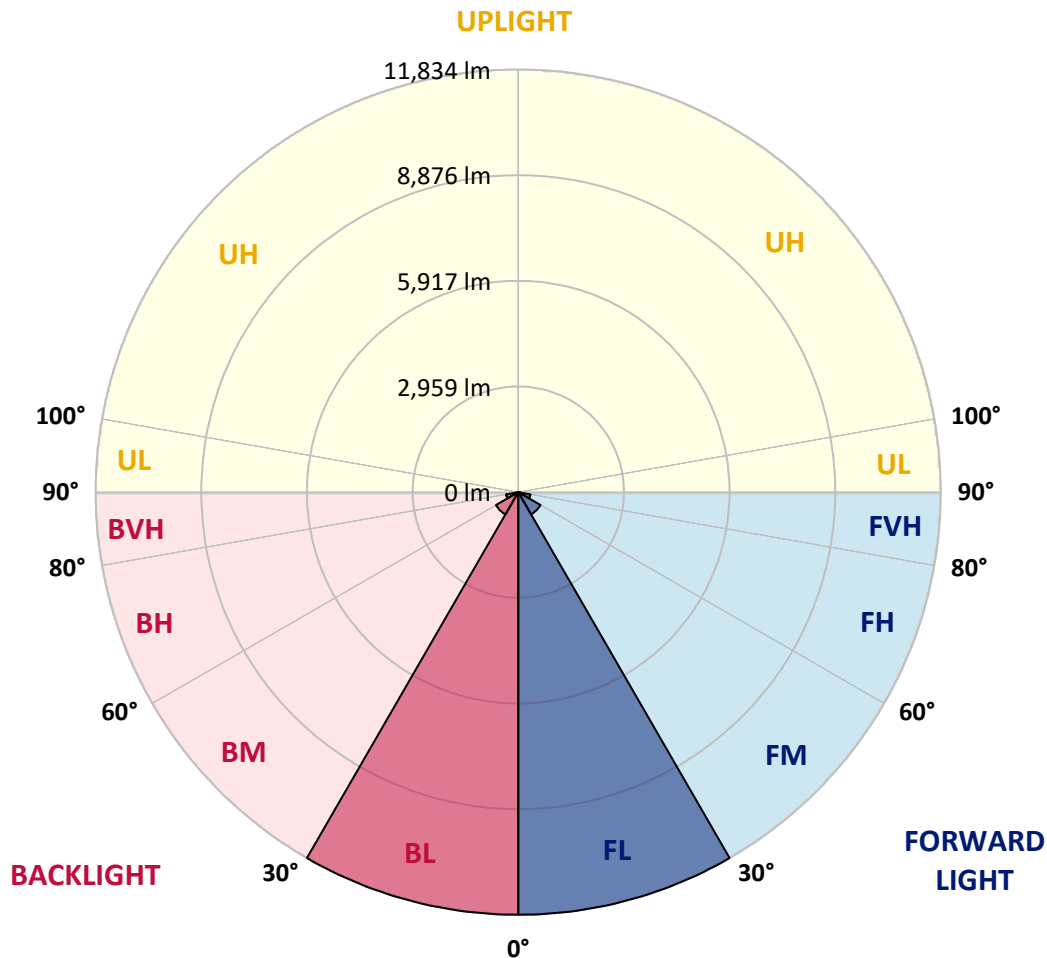
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11834.4	45.7			
FM (30°-60°)	719.5	2.8			
FH (60°-80°)	345.3	1.3			G0/660
FVH (80°-90°)	48.3	0.2			G1/100
BL (0°-30°)	11834.4	45.7	B5		
BM (30°-60°)	719.5	2.8	B1/1000		
BH (60°-80°)	345.3	1.3	B1/500		G0/660
BVH (80°-90°)	48.3	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°	384438.5
1°	377675.6
2°	358732.0
3°	326194.3
4°	281456.8
5°	231012.6
6°	181617.1
7°	139128.9
8°	103840.4
9°	77419.6
10°	57735.1
12.5°	31466.3
15°	20189.8
17.5°	13624.5
20°	8100.2
22.5°	4506.0
25°	2576.0
27.5°	1633.7
30°	1177.8
32.5°	961.2
35°	854.9
37.5°	794.1
40°	714.3
42.5°	634.5
45°	566.1
47.5°	531.9
50°	509.1
52.5°	493.9
55°	482.5
57.5°	474.9
60°	459.7
62.5°	448.3
65°	425.5
67.5°	395.1
70°	357.1
72.5°	307.7
75°	258.4
77.5°	212.8
80°	171.0
82.5°	133.0
85°	98.8
87.5°	38.0
90°	0.0

(END OF REPORT)