

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: P525890

Luminaire Tested: **IFLD-L-SA8A-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525890
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-930-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

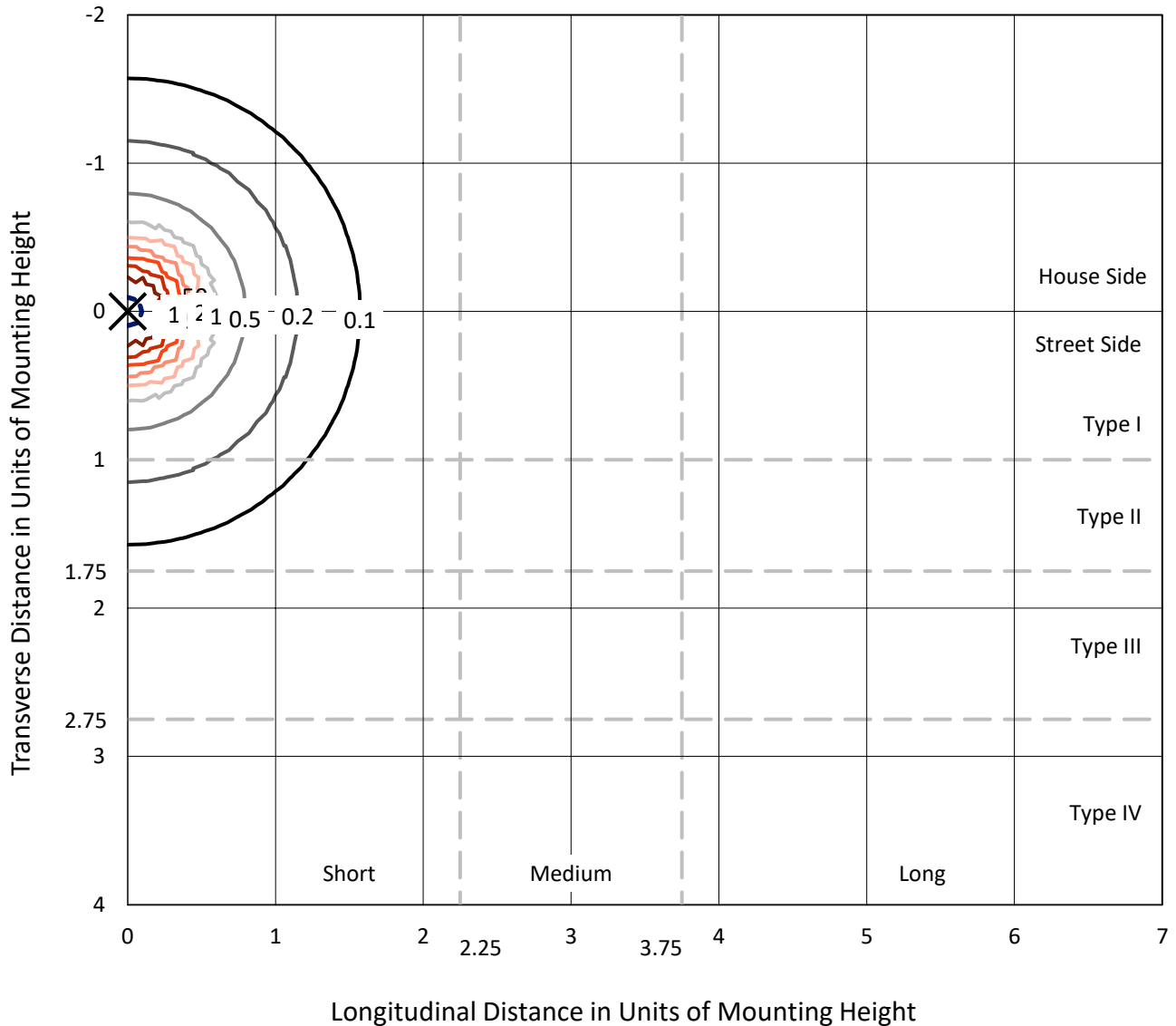
Lumens per Lamp: N/A
Luminaire Lumens: 22034.4 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 247.8
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

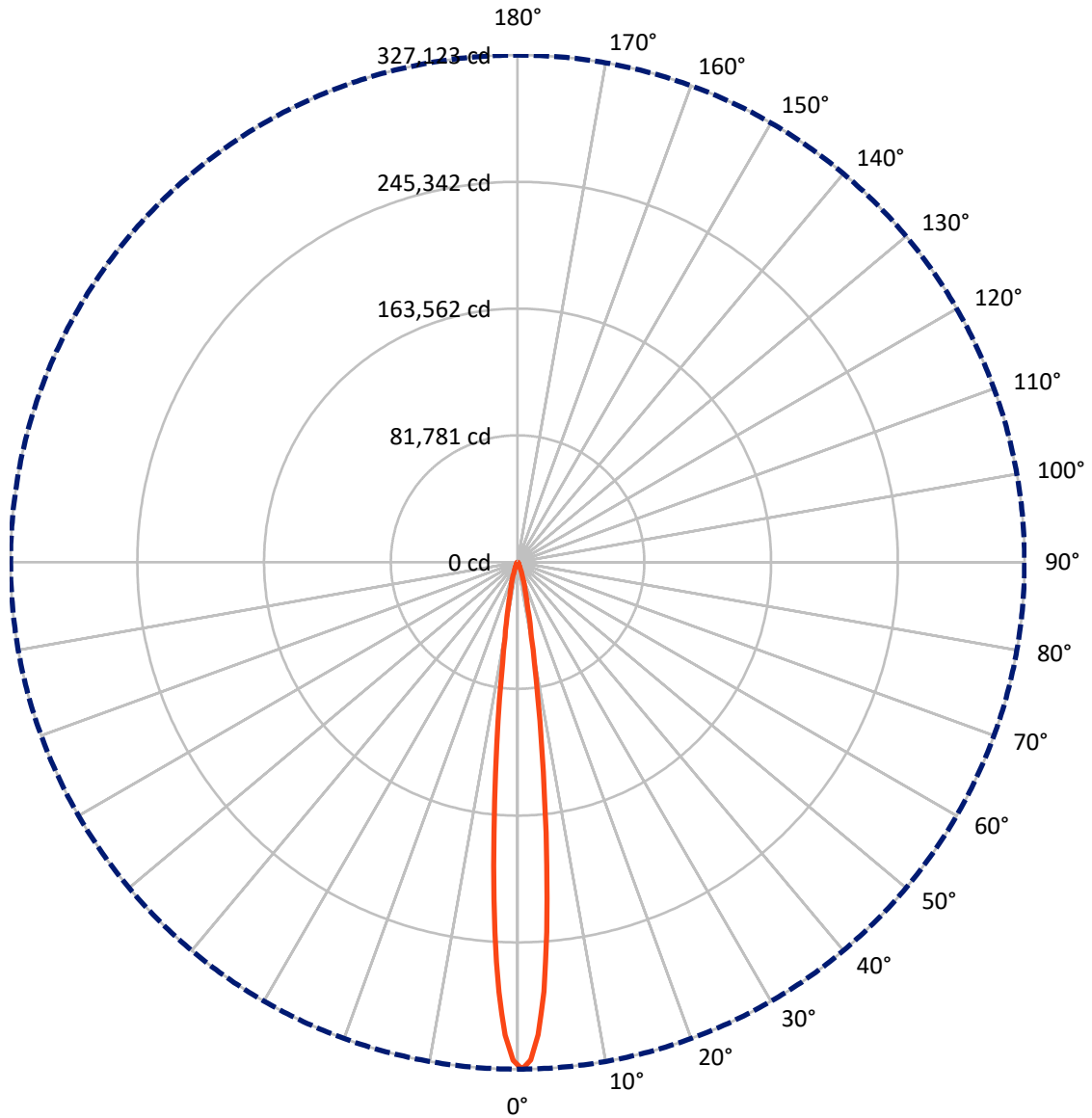
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 523.4 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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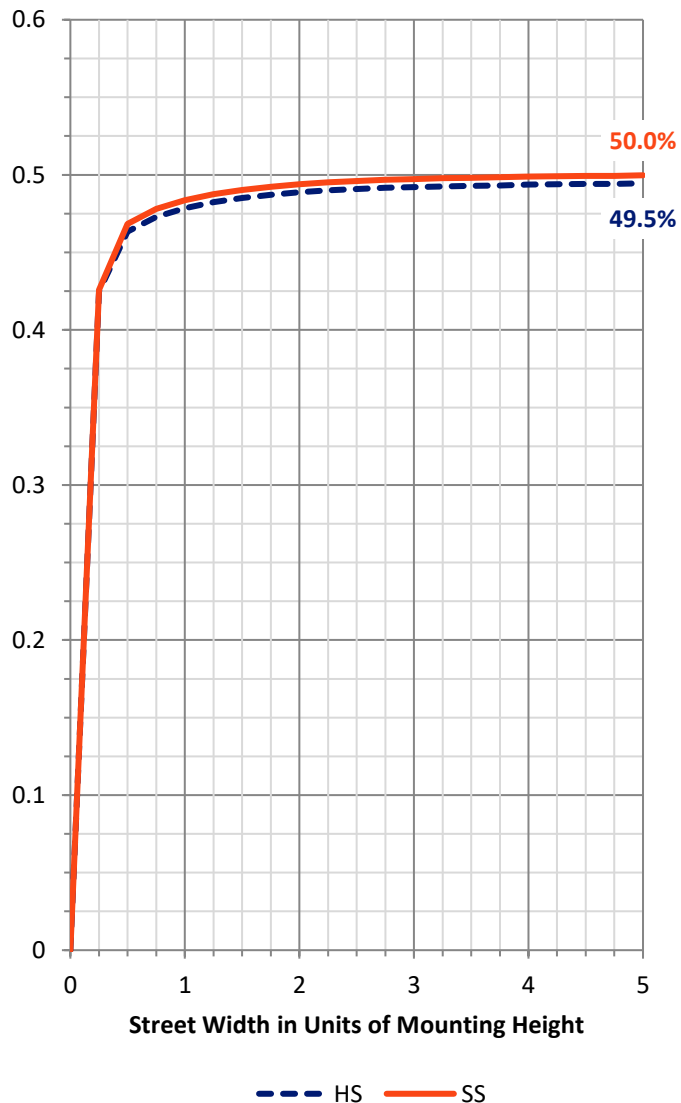
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11017.2	0.0	11017.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11017.2	0.0	11017.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	22034.4	0.0	22034.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13519.9	61.4
10°-20°	5379.7	24.4
20°-30°	1240.4	5.6
30°-40°	470.9	2.1
40°-50°	384.3	1.7
50°-60°	369.1	1.7
60°-70°	353.6	1.6
70°-80°	234.1	1.1
80°-90°	82.3	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°	22034.4	100.0
0°-180°	22034.4	100.0

Coefficient of Utilization



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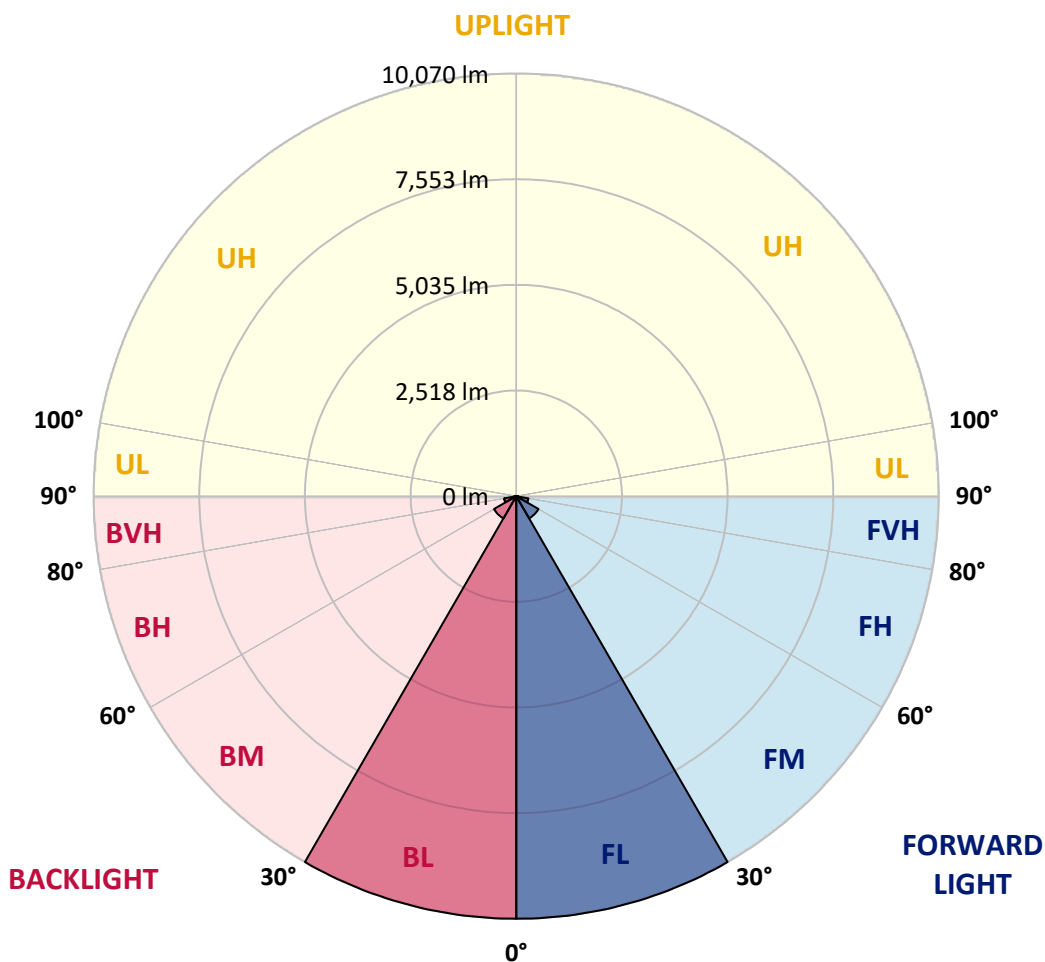
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10070.0	45.7			
FM (30°-60°)	612.2	2.8			
FH (60°-80°)	293.9	1.3			G0/660
FVH (80°-90°)	41.1	0.2			G1/100
BL (0°-30°)	10070.0	45.7	B5		
BM (30°-60°)	612.2	2.8	B1/1000		
BH (60°-80°)	293.9	1.3	B1/500		G0/660
BVH (80°-90°)	41.1	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°	327123.0
1°	321368.4
2°	305249.1
3°	277562.3
4°	239494.7
5°	196571.2
6°	154540.0
7°	118386.3
8°	88358.9
9°	65877.2
10°	49127.5
12.5°	26775.0
15°	17179.7
17.5°	11593.3
20°	6892.6
22.5°	3834.2
25°	2191.9
27.5°	1390.2
30°	1002.2
32.5°	817.9
35°	727.4
37.5°	675.7
40°	607.8
42.5°	539.9
45°	481.7
47.5°	452.6
50°	433.2
52.5°	420.3
55°	410.6
57.5°	404.1
60°	391.2
62.5°	381.5
65°	362.1
67.5°	336.2
70°	303.9
72.5°	261.9
75°	219.8
77.5°	181.0
80°	145.5
82.5°	113.2
85°	84.1
87.5°	32.3
90°	0.0

(END OF REPORT)