

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: P525802

Luminaire Tested: **IFLD-M-SA4A-950-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525802
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-950-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (64) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

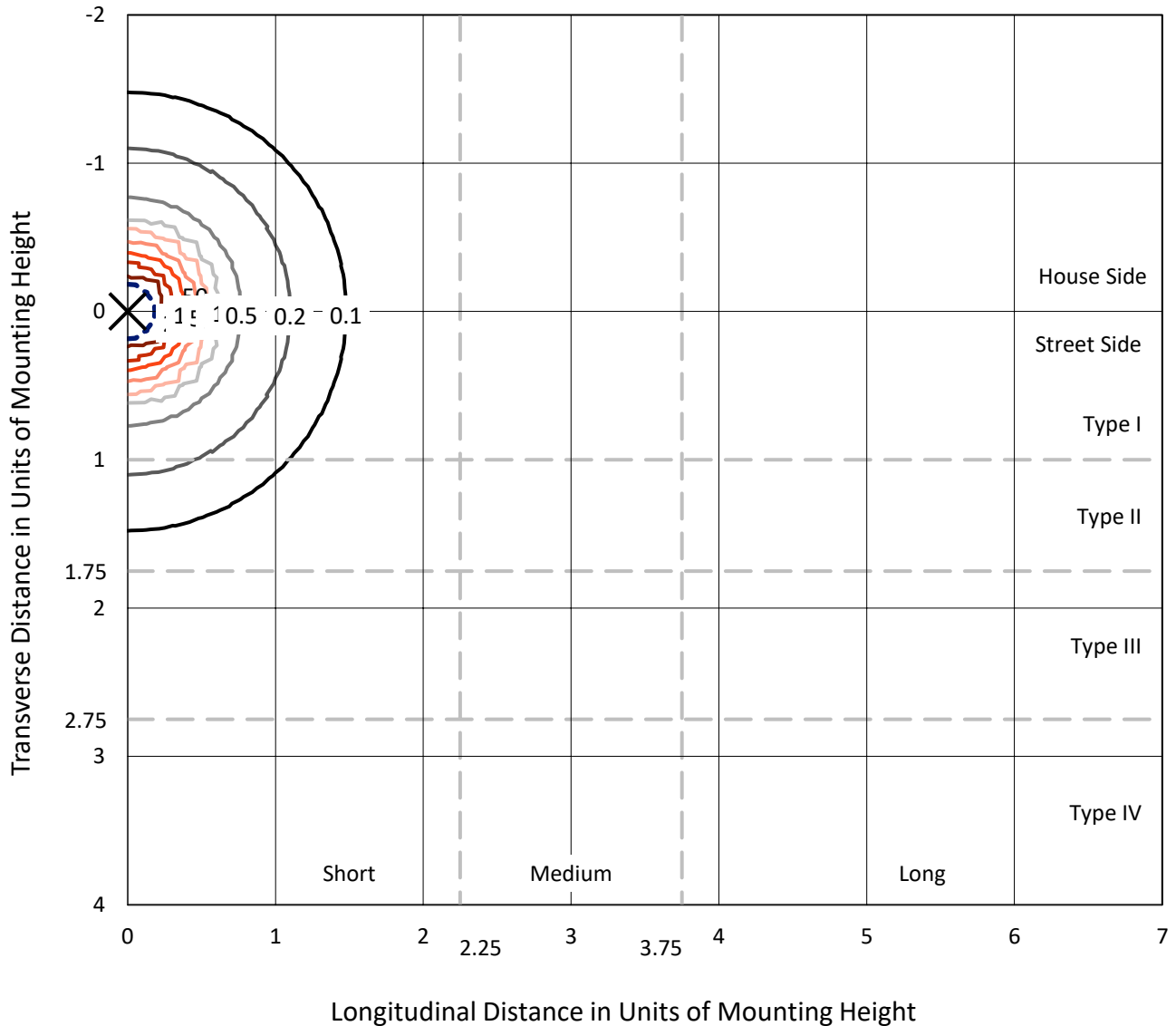
Lumens per Lamp: N/A
Luminaire Lumens: 13583.7 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 128.6
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

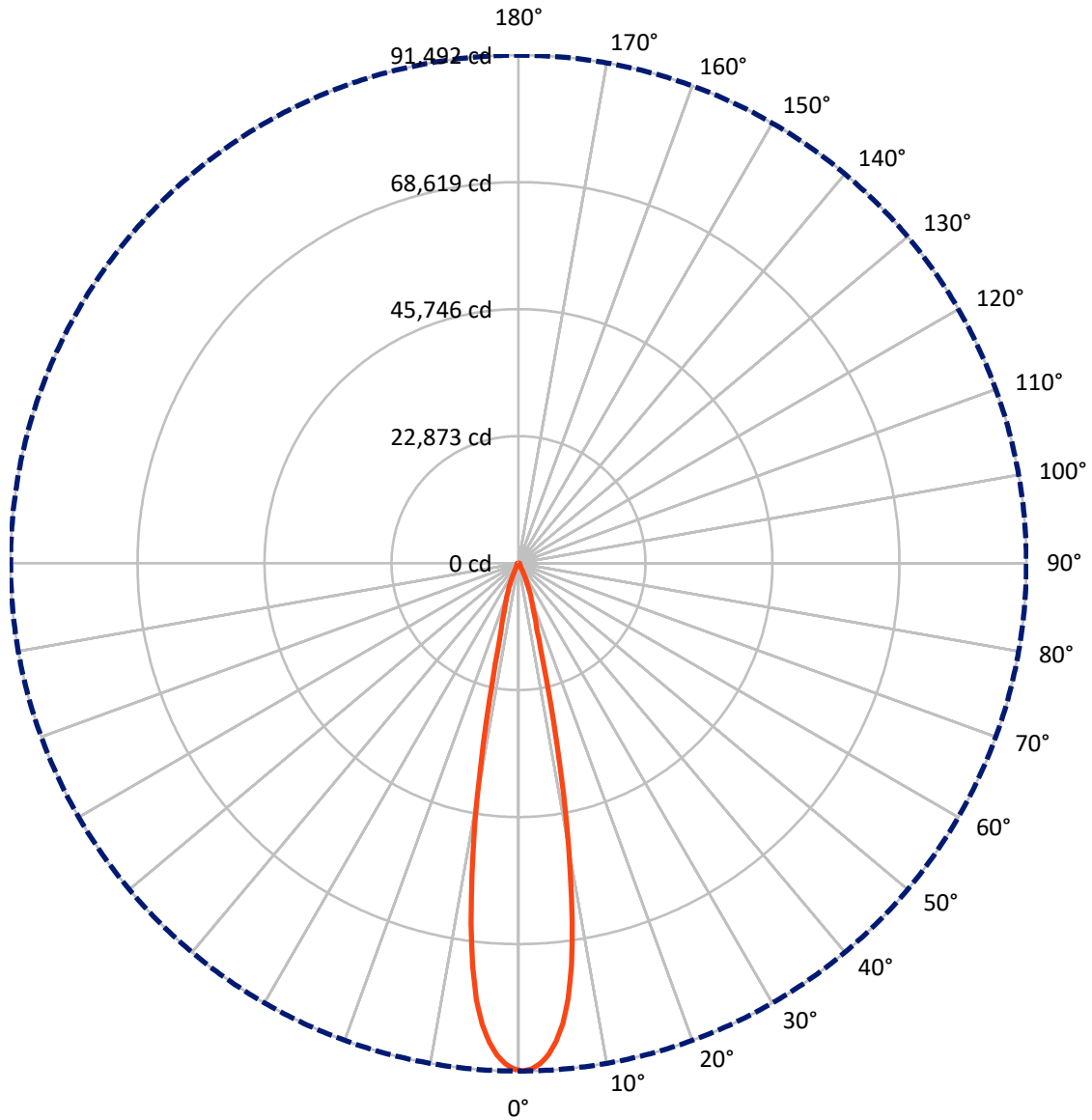
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 228.7 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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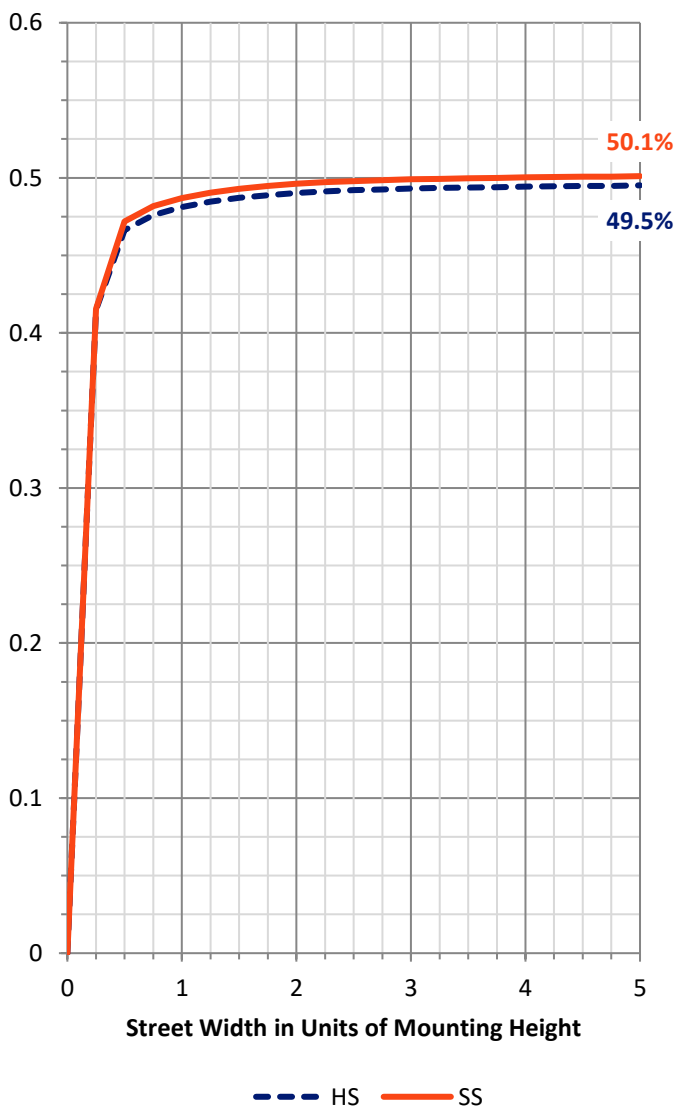
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6791.8	0.0	6791.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6791.8	0.0	6791.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	13583.7	0.0	13583.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6812.1	50.1
10°-20°	4480.8	33.0
20°-30°	1205.2	8.9
30°-40°	299.5	2.2
40°-50°	223.4	1.6
50°-60°	205.5	1.5
60°-70°	188.5	1.4
70°-80°	121.9	0.9
80°-90°	46.8	0.3
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°	13583.7	100.0
0°-180°	13583.7	100.0

Coefficient of Utilization



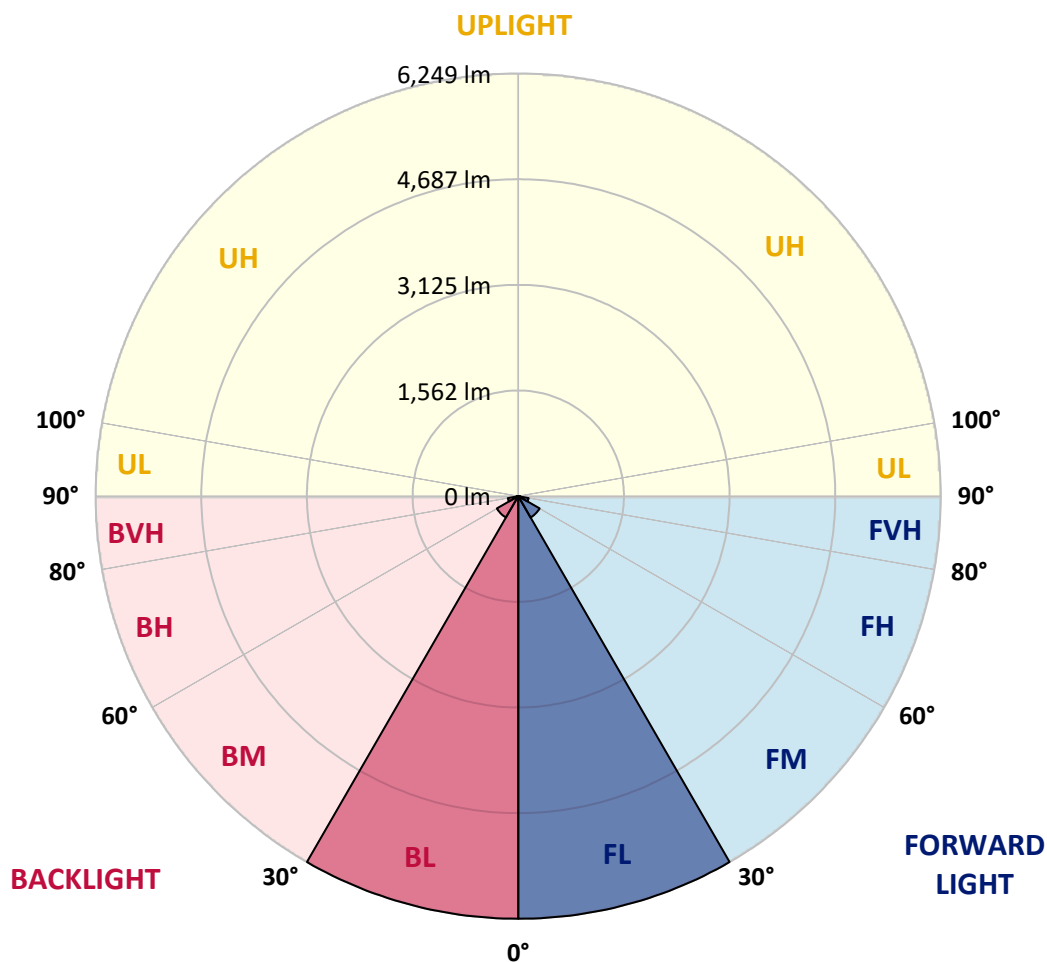
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6249.0	46.0			
FM (30°-60°)	364.2	2.7			
FH (60°-80°)	155.2	1.1			G0/660
FVH (80°-90°)	23.4	0.2			G1/100
BL (0°-30°)	6249.0	46.0	B5		
BM (30°-60°)	364.2	2.7	B1/1000		
BH (60°-80°)	155.2	1.1	B1/500		G0/660
BVH (80°-90°)	23.4	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°	91492.4
1°	91134.4
2°	90232.2
3°	88696.0
4°	86457.7
5°	83341.3
6°	78990.7
7°	73035.9
8°	65484.9
9°	56579.7
10°	47548.4
11°	37847.1
12°	28841.9
13°	21312.9
14°	15950.2
15°	12491.7
17.5°	8373.1
20°	6052.8
22.5°	3990.5
25°	2342.3
27.5°	1314.2
30°	734.1
32.5°	536.1
35°	454.1
37.5°	400.1
40°	352.0
42.5°	316.0
45°	284.0
47.5°	262.0
50°	244.0
52.5°	234.0
55°	228.0
57.5°	224.0
60°	218.0
62.5°	206.0
65°	192.0
67.5°	176.0
70°	156.0
72.5°	134.0
75°	114.0
77.5°	96.0
80°	80.0
82.5°	64.0
85°	48.0
87.5°	20.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)