

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: P525647

Luminaire Tested: **IFLD-M-SA4B-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525647
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

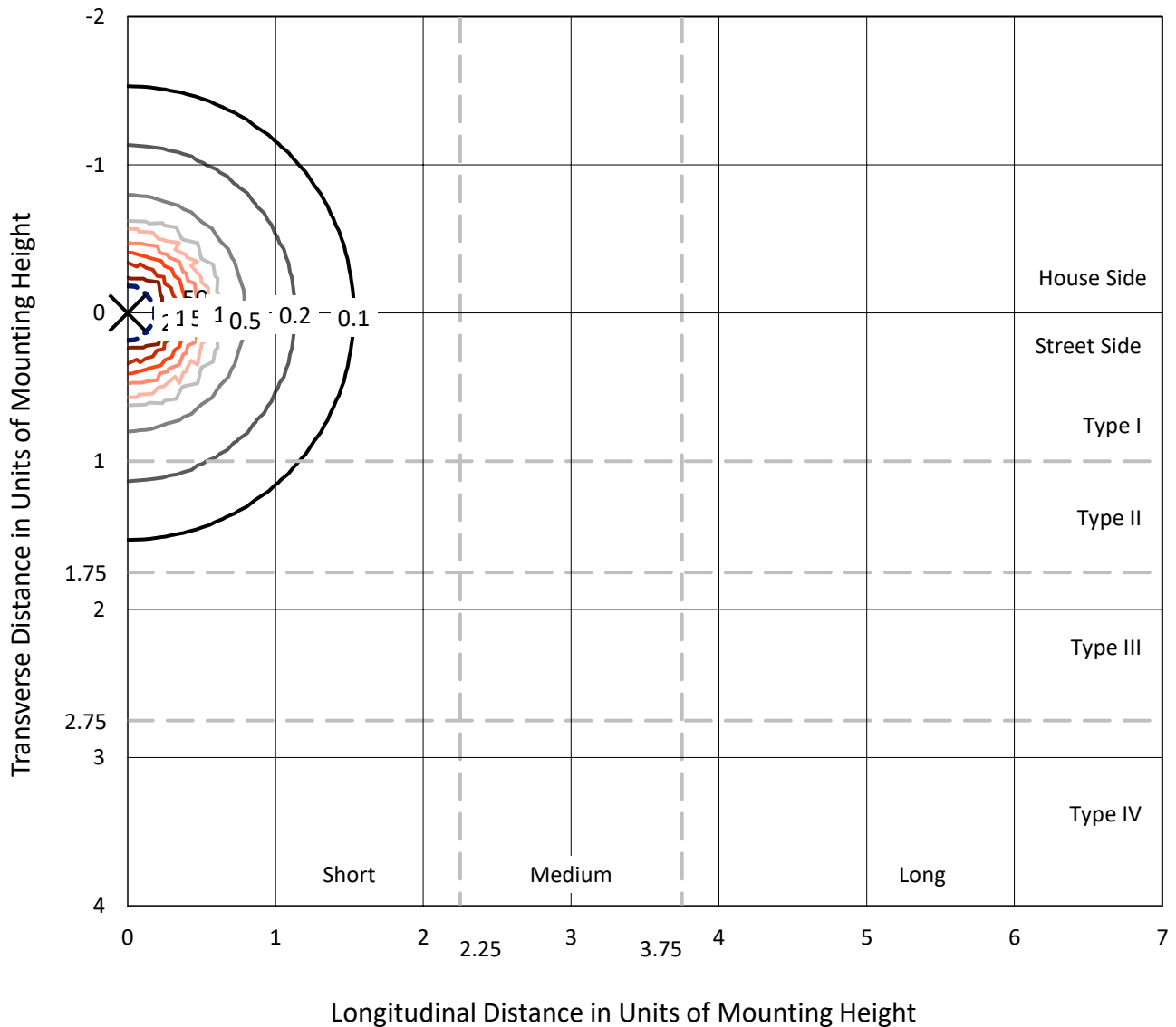
Lumens per Lamp: N/A
Luminaire Lumens: 14718.2 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 166.1
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

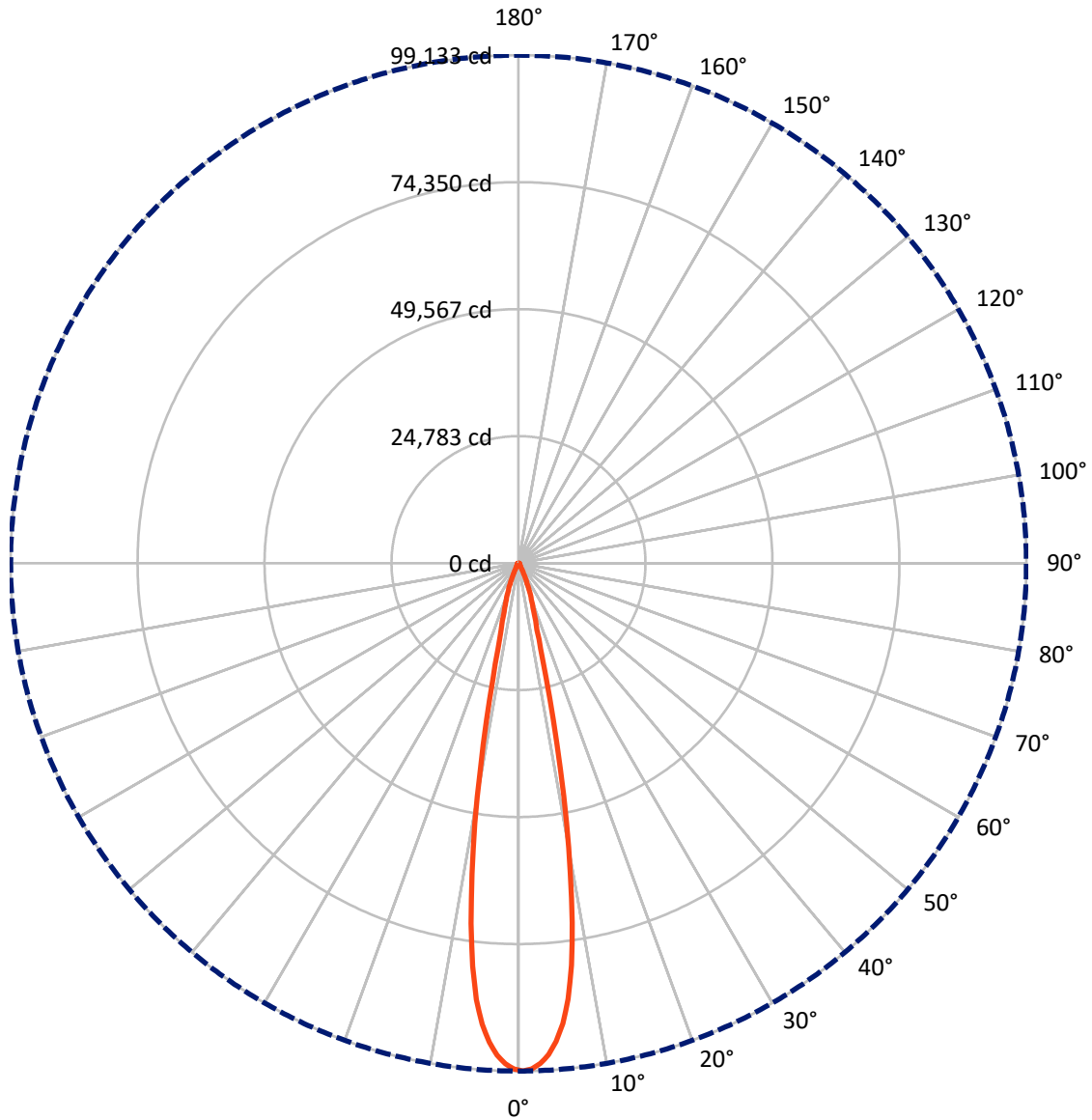
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 247.8 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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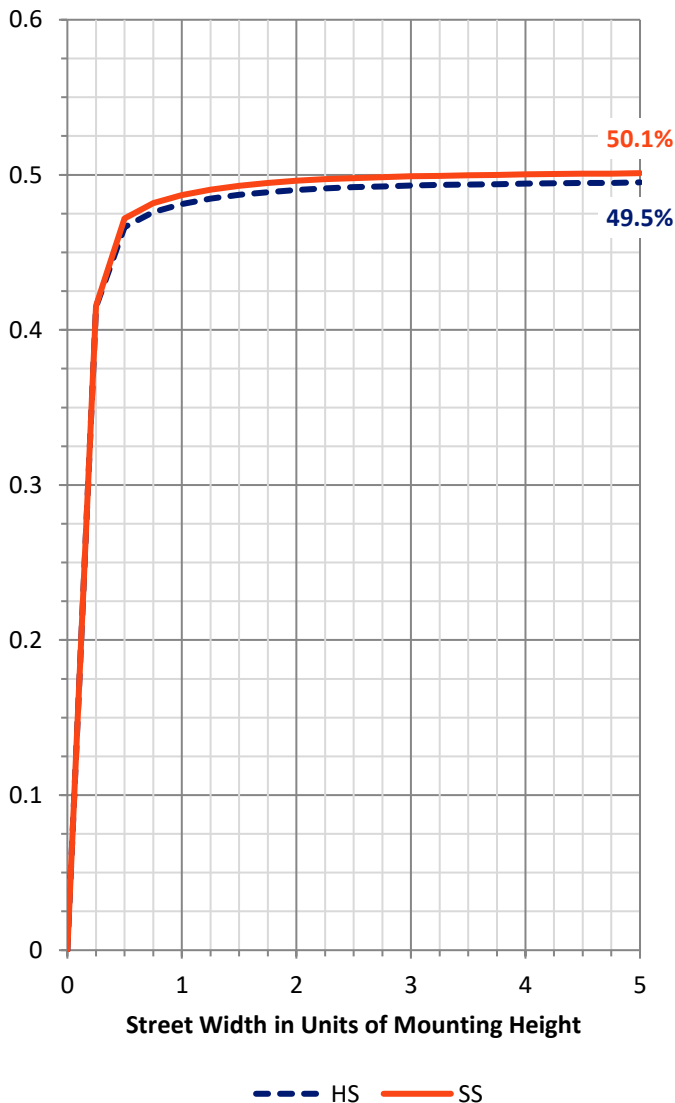
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7359.1	0.0	7359.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7359.1	0.0	7359.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14718.2	0.0	14718.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7381.0	50.1
10°-20°	4855.0	33.0
20°-30°	1305.9	8.9
30°-40°	324.5	2.2
40°-50°	242.1	1.6
50°-60°	222.7	1.5
60°-70°	204.2	1.4
70°-80°	132.1	0.9
80°-90°	50.7	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°	14718.2	100.0
0°-180°	14718.2	100.0



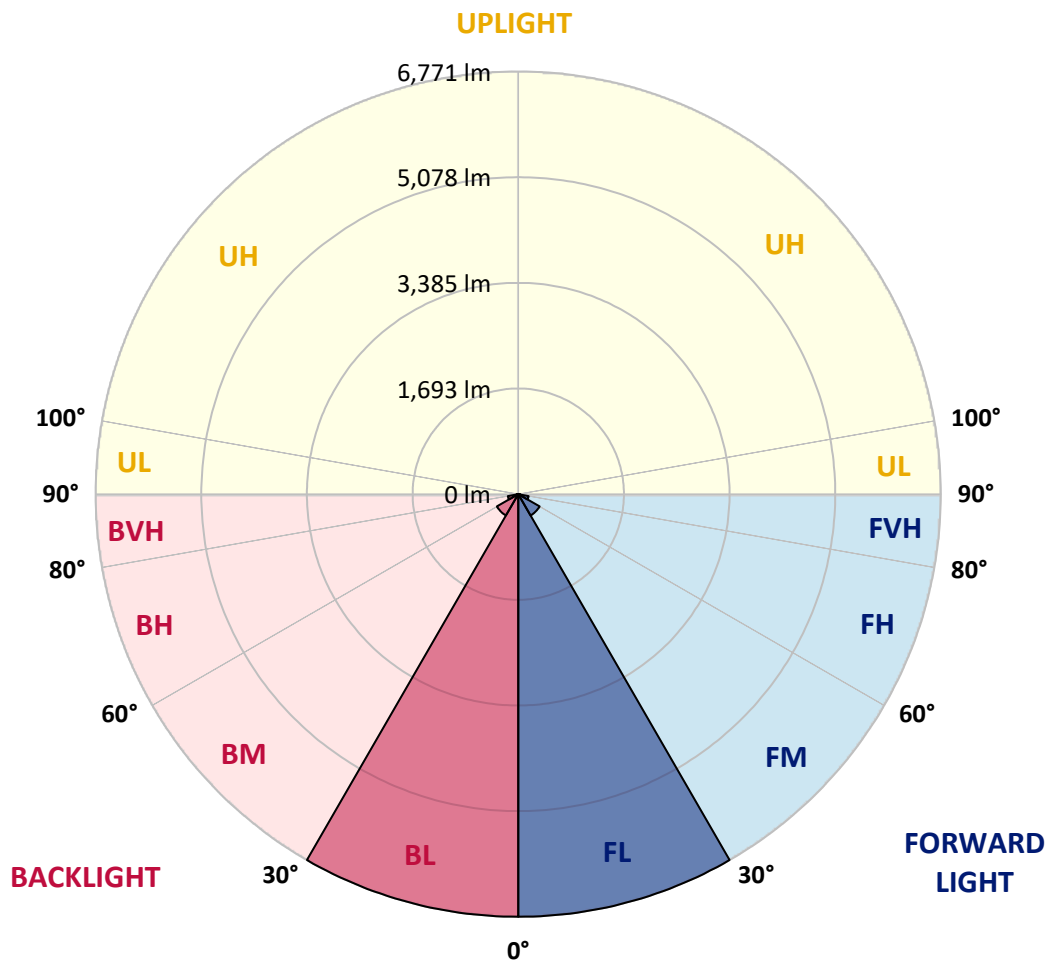
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6770.9	46.0			
FM (30°-60°)	394.6	2.7			
FH (60°-80°)	168.2	1.1			G0/660
FVH (80°-90°)	25.4	0.2			G1/100
BL (0°-30°)	6770.9	46.0	B5		
BM (30°-60°)	394.6	2.7	B1/1000		
BH (60°-80°)	168.2	1.1	B1/500		G0/660
BVH (80°-90°)	25.4	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°	99133.2
1°	98745.3
2°	97767.8
3°	96103.3
4°	93678.1
5°	90301.4
6°	85587.5
7°	79135.4
8°	70953.7
9°	61304.8
10°	51519.4
11°	41007.9
12°	31250.6
13°	23092.8
14°	17282.2
15°	13534.9
17.5°	9072.4
20°	6558.3
22.5°	4323.8
25°	2537.9
27.5°	1423.9
30°	795.4
32.5°	580.8
35°	492.0
37.5°	433.5
40°	381.4
42.5°	342.4
45°	307.8
47.5°	283.9
50°	264.4
52.5°	253.6
55°	247.1
57.5°	242.7
60°	236.2
62.5°	223.2
65°	208.1
67.5°	190.7
70°	169.1
72.5°	145.2
75°	123.5
77.5°	104.0
80°	86.7
82.5°	69.4
85°	52.0
87.5°	21.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)