

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: P525690

Luminaire Tested: **IFLD-L-SA7A-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525690
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

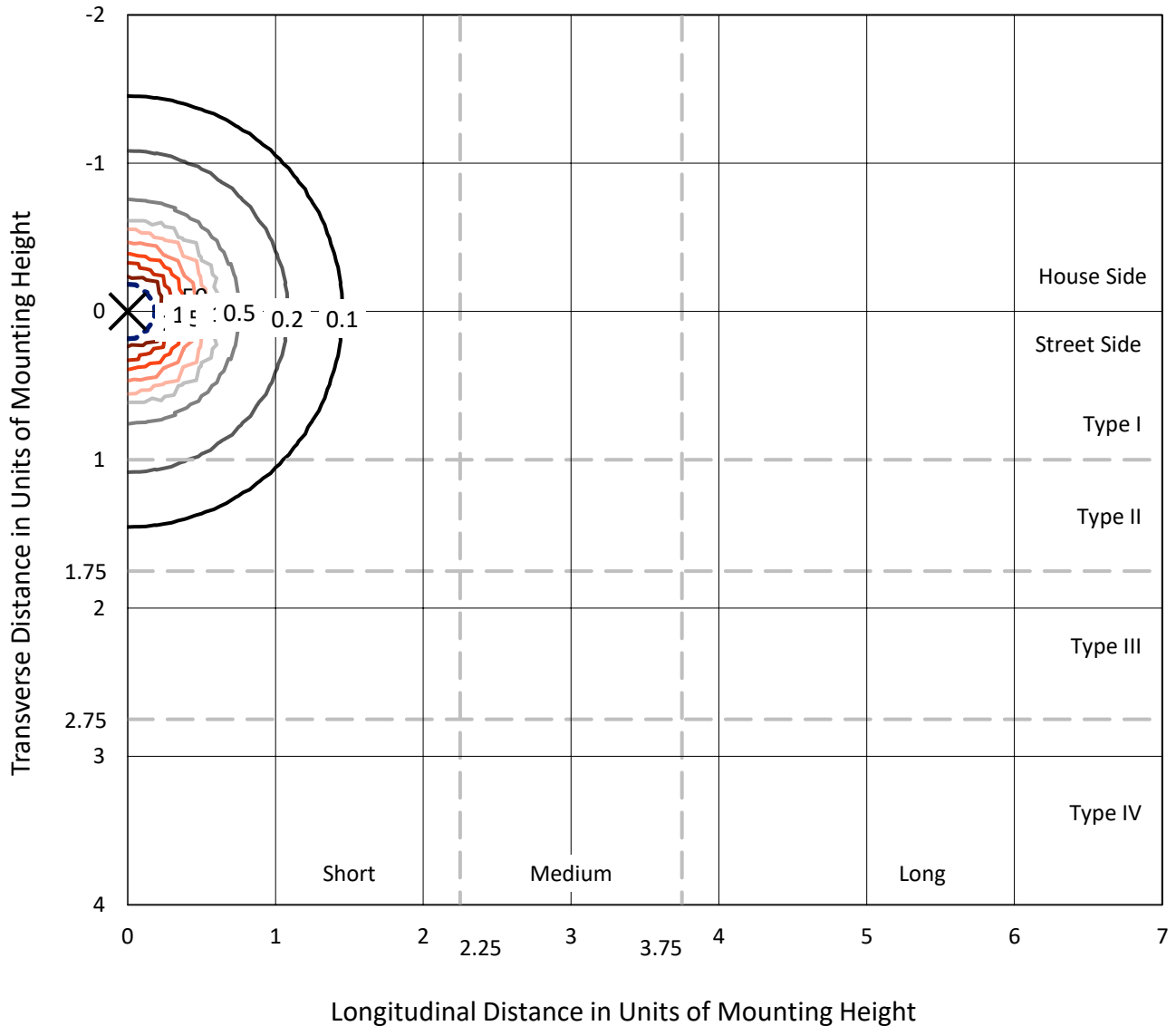
Lumens per Lamp: N/A
Luminaire Lumens: 20391.7 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 217.6
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

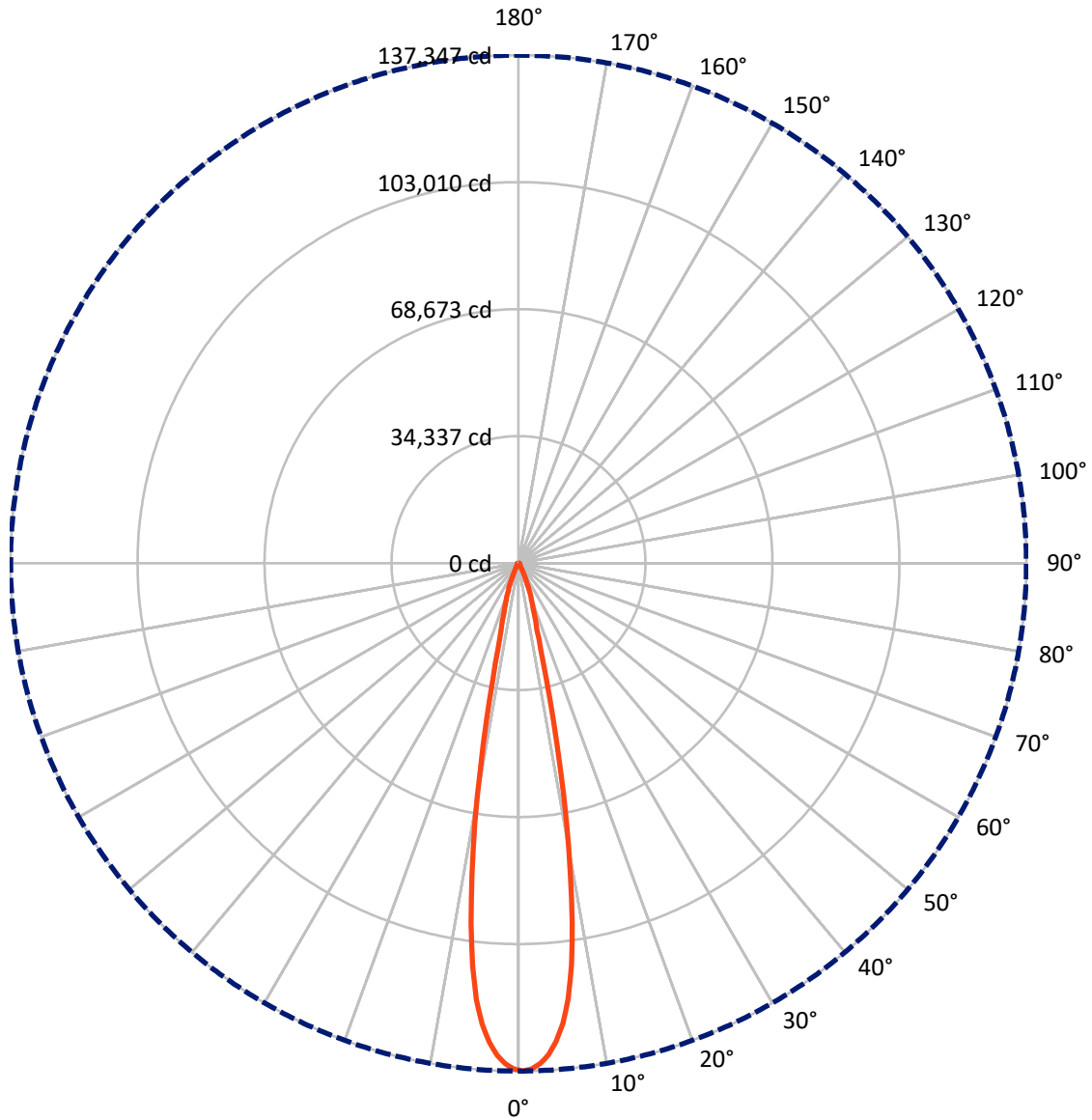
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 219.8 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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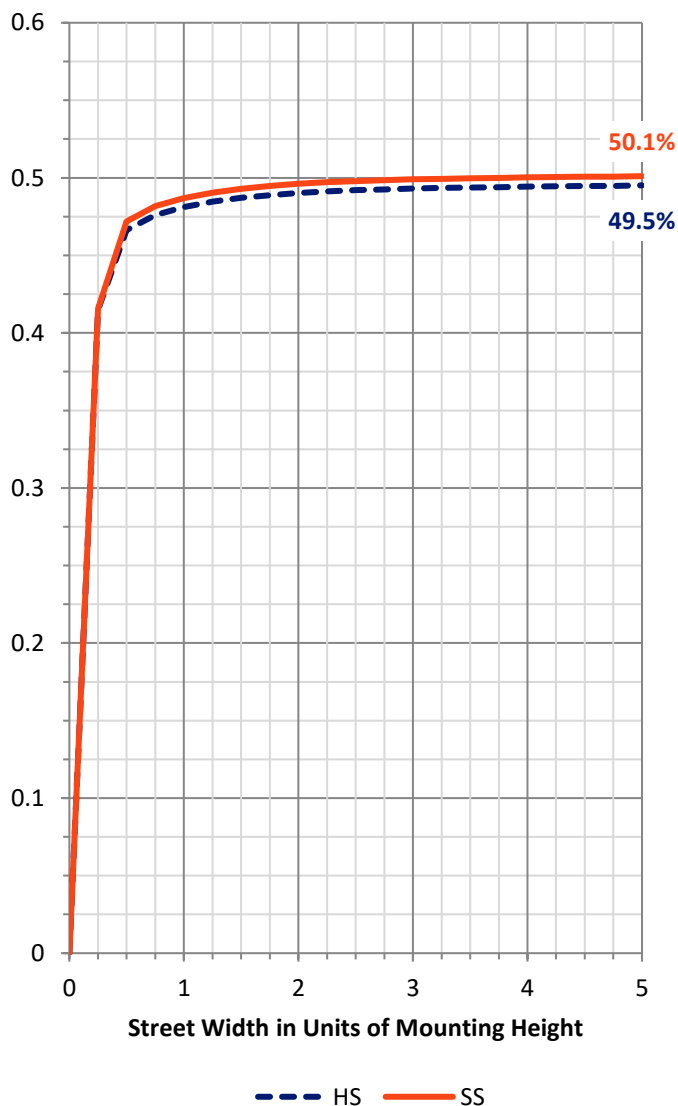
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10195.8	0.0	10195.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10195.8	0.0	10195.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	20391.7	0.0	20391.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10226.2	50.1
10°-20°	6726.5	33.0
20°-30°	1809.3	8.9
30°-40°	449.6	2.2
40°-50°	335.5	1.6
50°-60°	308.5	1.5
60°-70°	282.9	1.4
70°-80°	183.0	0.9
80°-90°	70.3	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°	20391.7	100.0
0°-180°	20391.7	100.0

Coefficient of Utilization



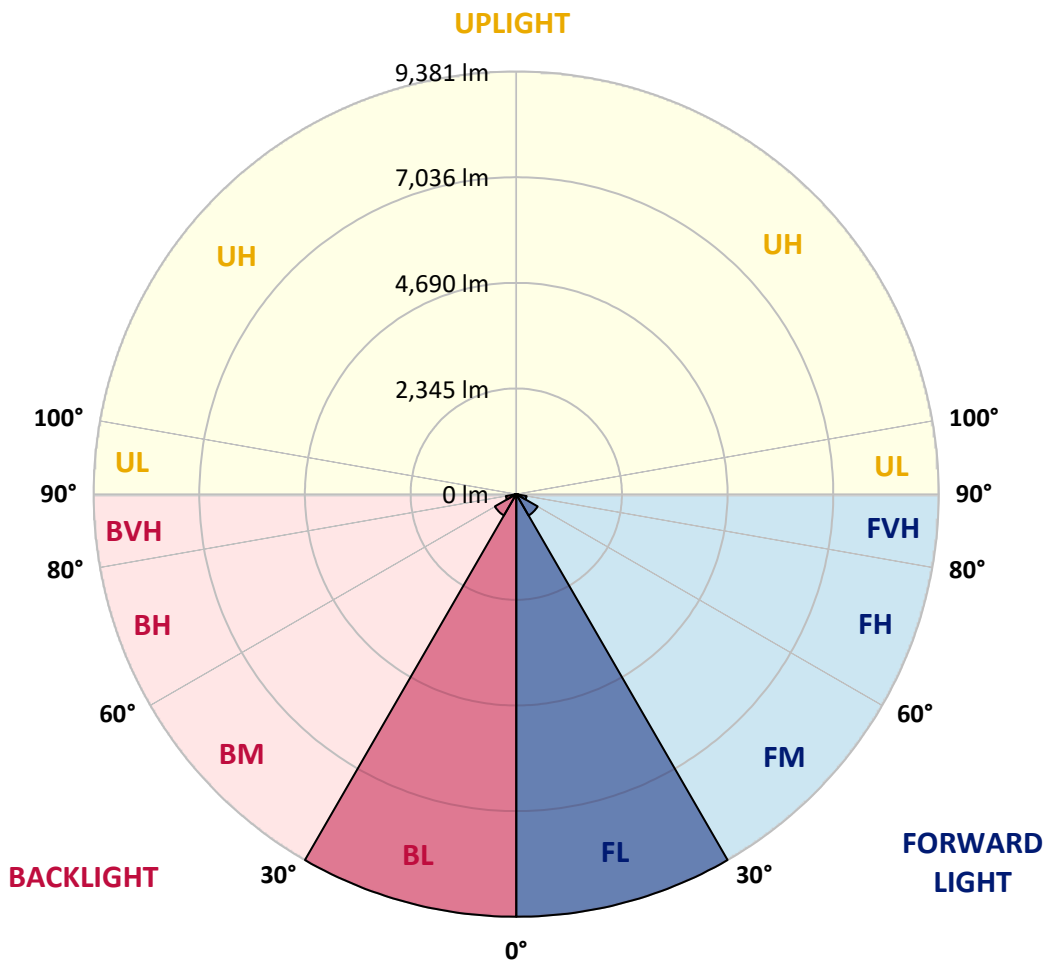
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9381.0	46.0			
FM (30°-60°)	546.8	2.7			
FH (60°-80°)	233.0	1.1			G0/660
FVH (80°-90°)	35.1	0.2			G1/100
BL (0°-30°)	9381.0	46.0	B5		
BM (30°-60°)	546.8	2.7	B1/1000		
BH (60°-80°)	233.0	1.1	B1/500		G0/660
BVH (80°-90°)	35.1	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°	137346.7
1°	136809.2
2°	135455.0
3°	133148.9
4°	129788.8
5°	125110.4
6°	118579.4
7°	109640.2
8°	98304.7
9°	84936.4
10°	71378.9
11°	56815.4
12°	43296.9
13°	31994.5
14°	23944.1
15°	18752.3
17.5°	12569.6
20°	9086.4
22.5°	5990.5
25°	3516.2
27.5°	1972.8
30°	1102.0
32.5°	804.7
35°	681.6
37.5°	600.6
40°	528.5
42.5°	474.4
45°	426.4
47.5°	393.4
50°	366.3
52.5°	351.3
55°	342.3
57.5°	336.3
60°	327.3
62.5°	309.3
65°	288.3
67.5°	264.2
70°	234.2
72.5°	201.2
75°	171.2
77.5°	144.1
80°	120.1
82.5°	96.1
85°	72.1
87.5°	30.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)