

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: P525662

Luminaire Tested: **IFLD-S-SA2C-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525662
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

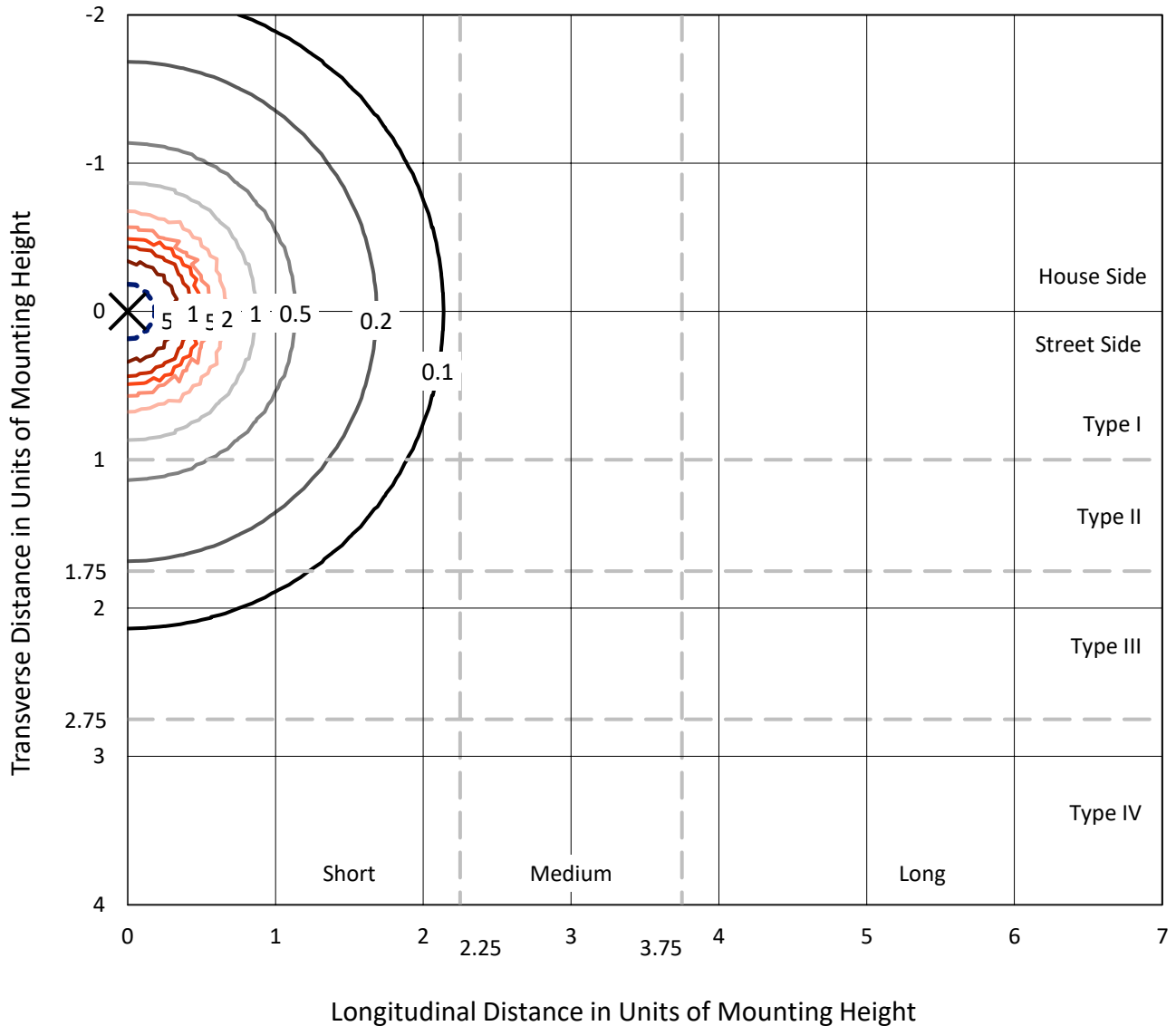
Lumens per Lamp: N/A
Luminaire Lumens: 9259.7 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2
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

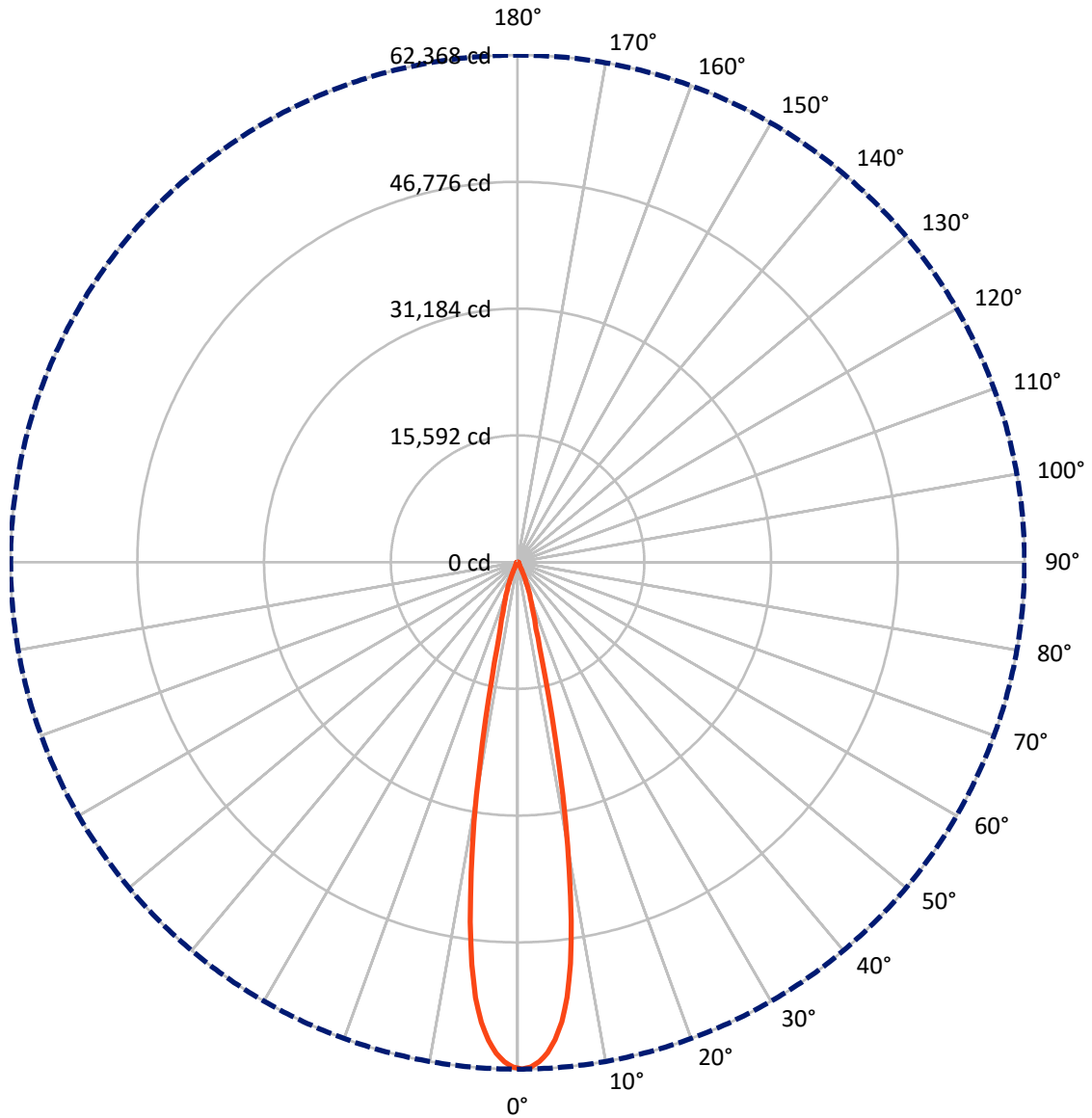
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 623.7 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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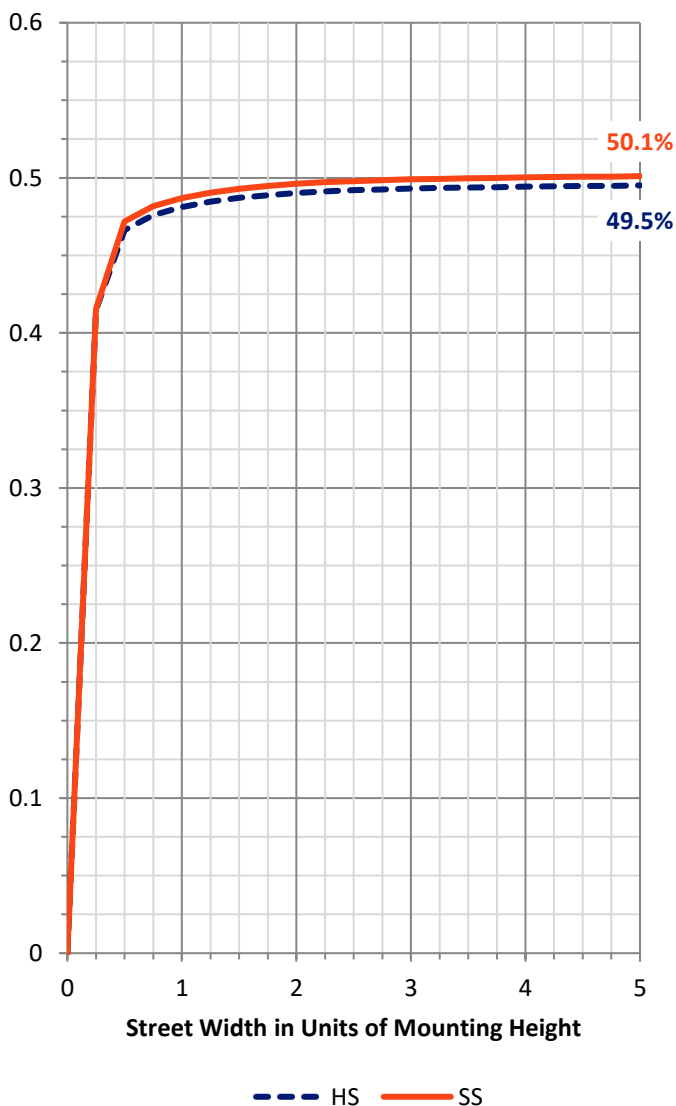
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4629.8	0.0	4629.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4629.8	0.0	4629.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9259.7	0.0	9259.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4643.6	50.1
10°-20°	3054.5	33.0
20°-30°	821.6	8.9
30°-40°	204.1	2.2
40°-50°	152.3	1.6
50°-60°	140.1	1.5
60°-70°	128.5	1.4
70°-80°	83.1	0.9
80°-90°	31.9	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°	9259.7	100.0
0°-180°	9259.7	100.0

Coefficient of Utilization



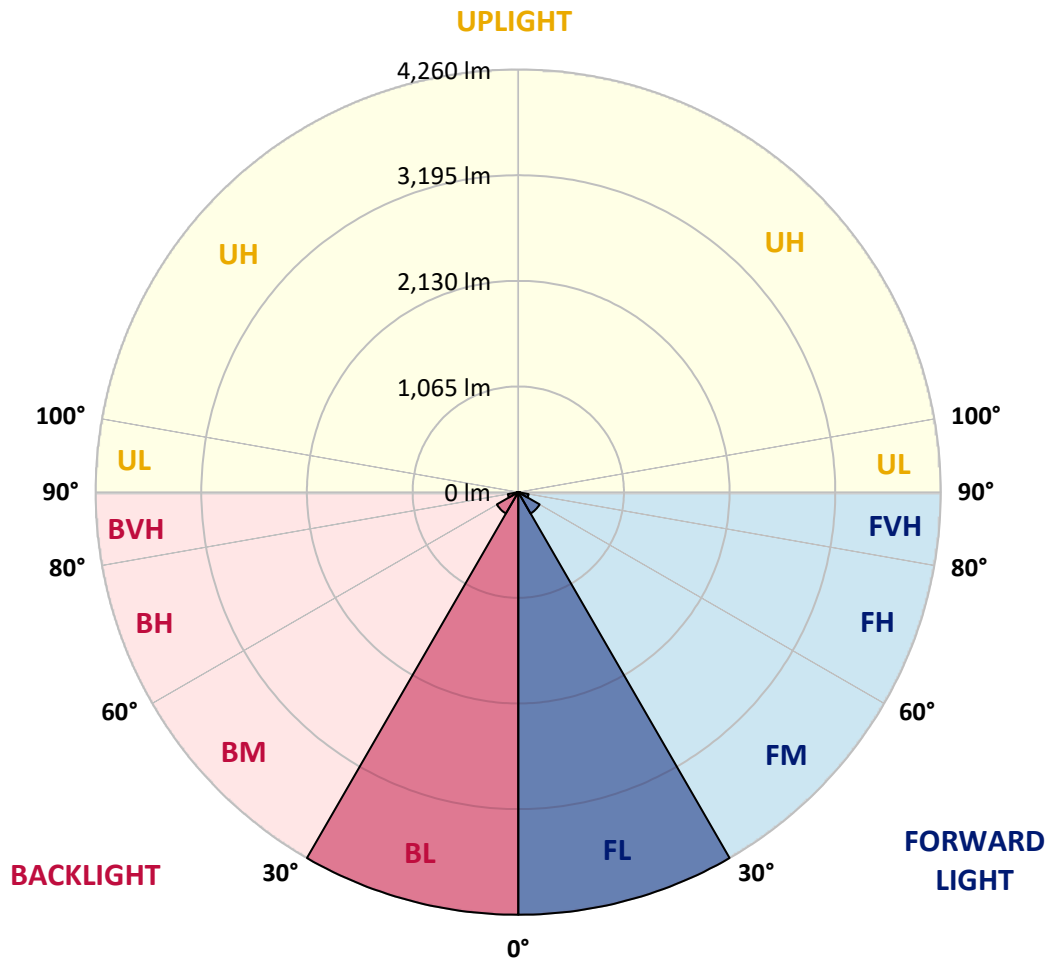
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4259.8	46.0			
FM (30°-60°)	248.3	2.7			
FH (60°-80°)	105.8	1.1			G0/660
FVH (80°-90°)	15.9	0.2			G1/100
BL (0°-30°)	4259.8	46.0	B4/5000		
BM (30°-60°)	248.3	2.7	B1/1000		
BH (60°-80°)	105.8	1.1	B0/110		G0/660
BVH (80°-90°)	15.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	62368.4
1°	62124.3
2°	61509.4
3°	60462.2
4°	58936.4
5°	56812.0
6°	53846.3
7°	49787.0
8°	44639.6
9°	38569.2
10°	32412.8
11°	25799.6
12°	19660.9
13°	14528.5
14°	10872.9
15°	8515.3
17.5°	5707.8
20°	4126.1
22.5°	2720.3
25°	1596.7
27.5°	895.8
30°	500.4
32.5°	365.4
35°	309.5
37.5°	272.7
40°	240.0
42.5°	215.4
45°	193.6
47.5°	178.6
50°	166.4
52.5°	159.5
55°	155.4
57.5°	152.7
60°	148.6
62.5°	140.4
65°	130.9
67.5°	120.0
70°	106.4
72.5°	91.4
75°	77.7
77.5°	65.5
80°	54.5
82.5°	43.6
85°	32.7
87.5°	13.6



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)