

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: P525660

Luminaire Tested: **IFLD-S-SA2A-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525660
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-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

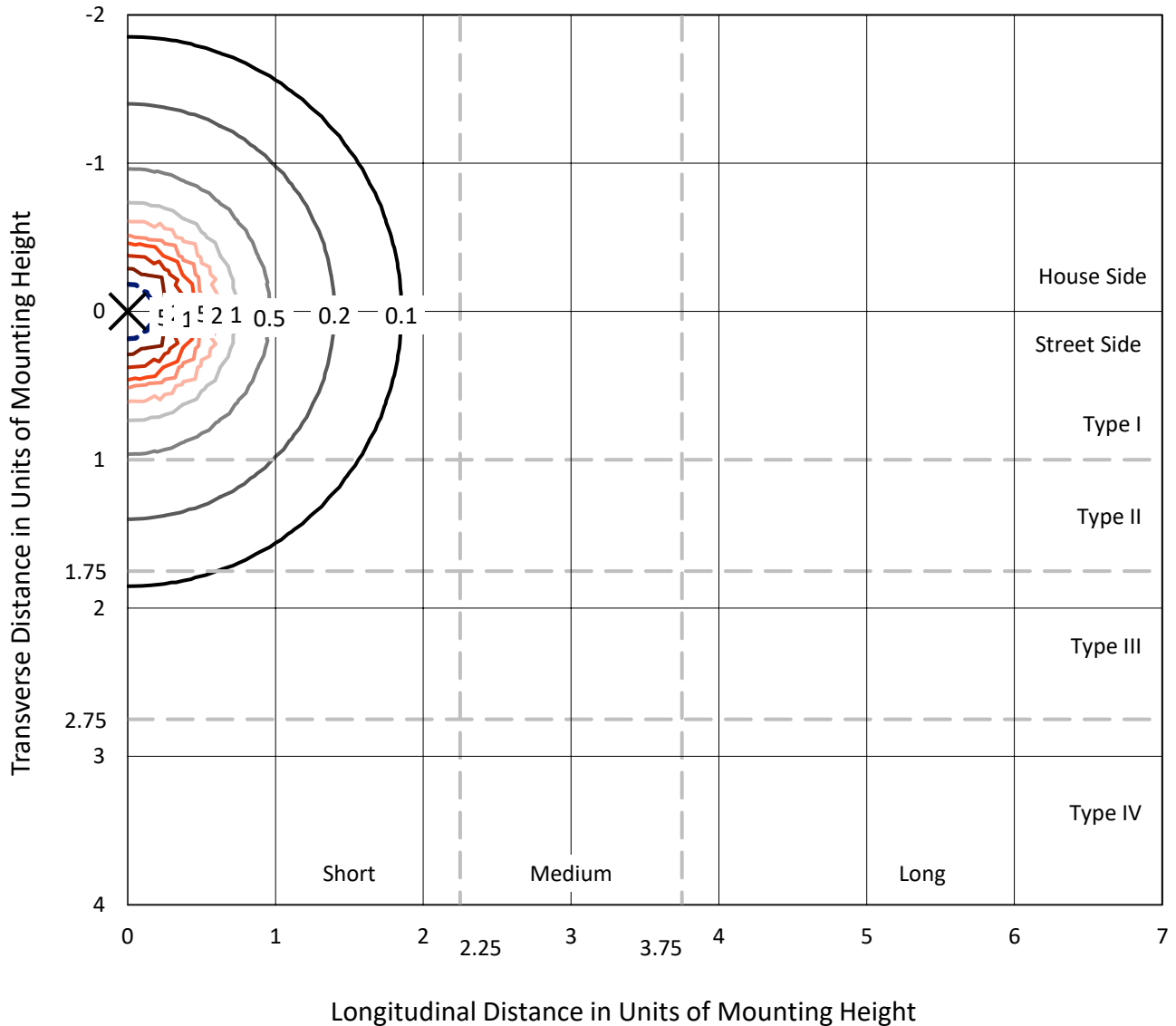
Lumens per Lamp: N/A
Luminaire Lumens: 6014.6 lumens
Efficiency: N/A
Efficacy: 94.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 63.8
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

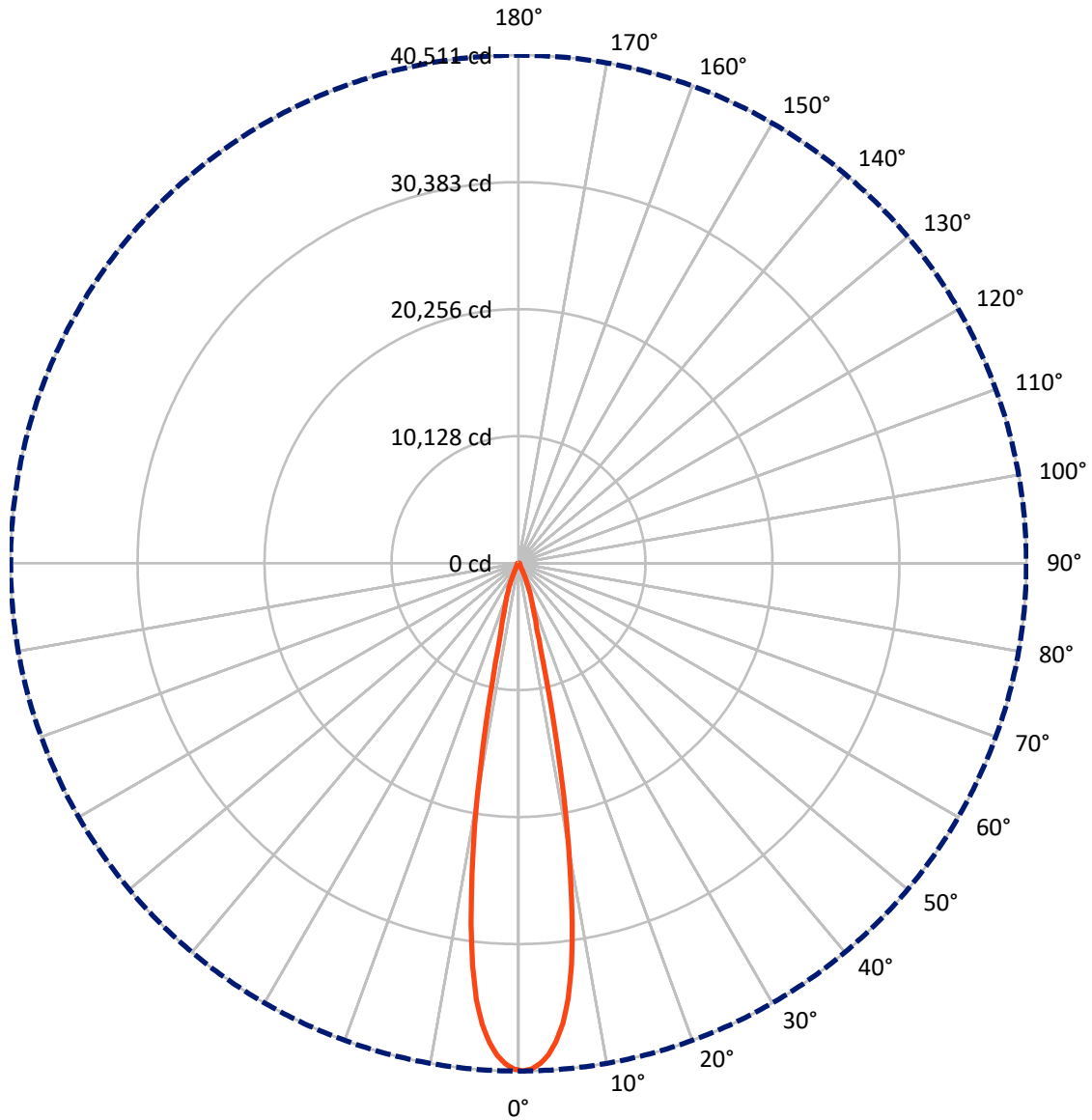
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 405.1 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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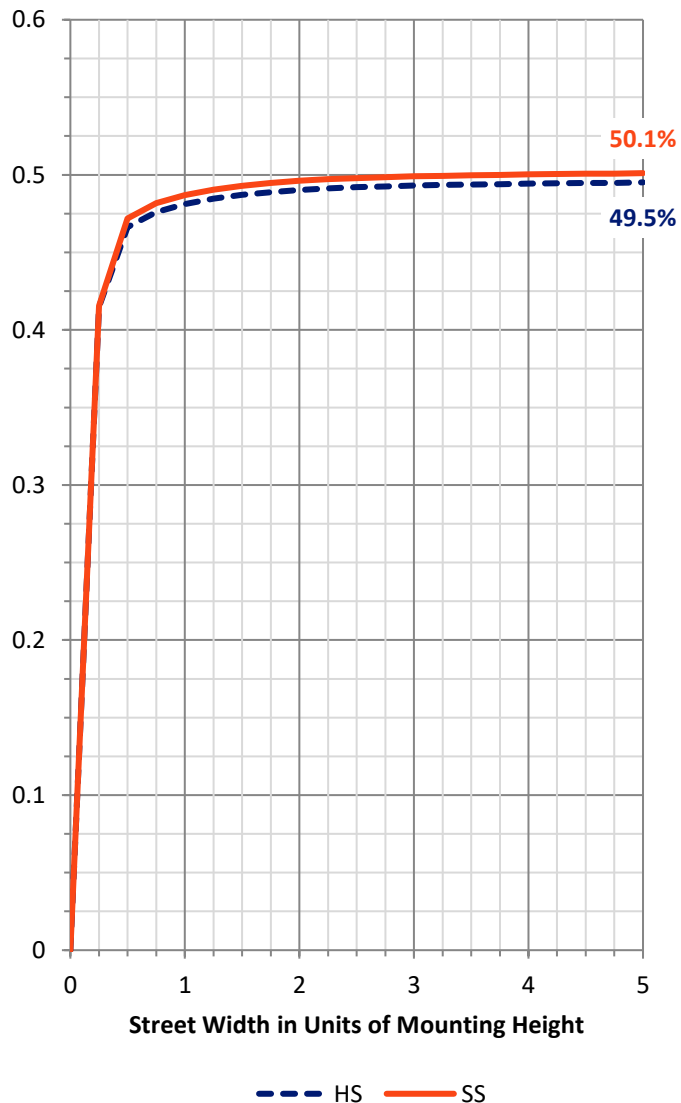
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3007.3	0.0	3007.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3007.3	0.0	3007.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	6014.6	0.0	6014.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3016.2	50.1
10°-20°	1984.0	33.0
20°-30°	533.6	8.9
30°-40°	132.6	2.2
40°-50°	99.0	1.6
50°-60°	91.0	1.5
60°-70°	83.4	1.4
70°-80°	54.0	0.9
80°-90°	20.7	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°	6014.6	100.0
0°-180°	6014.6	100.0

Coefficient of Utilization



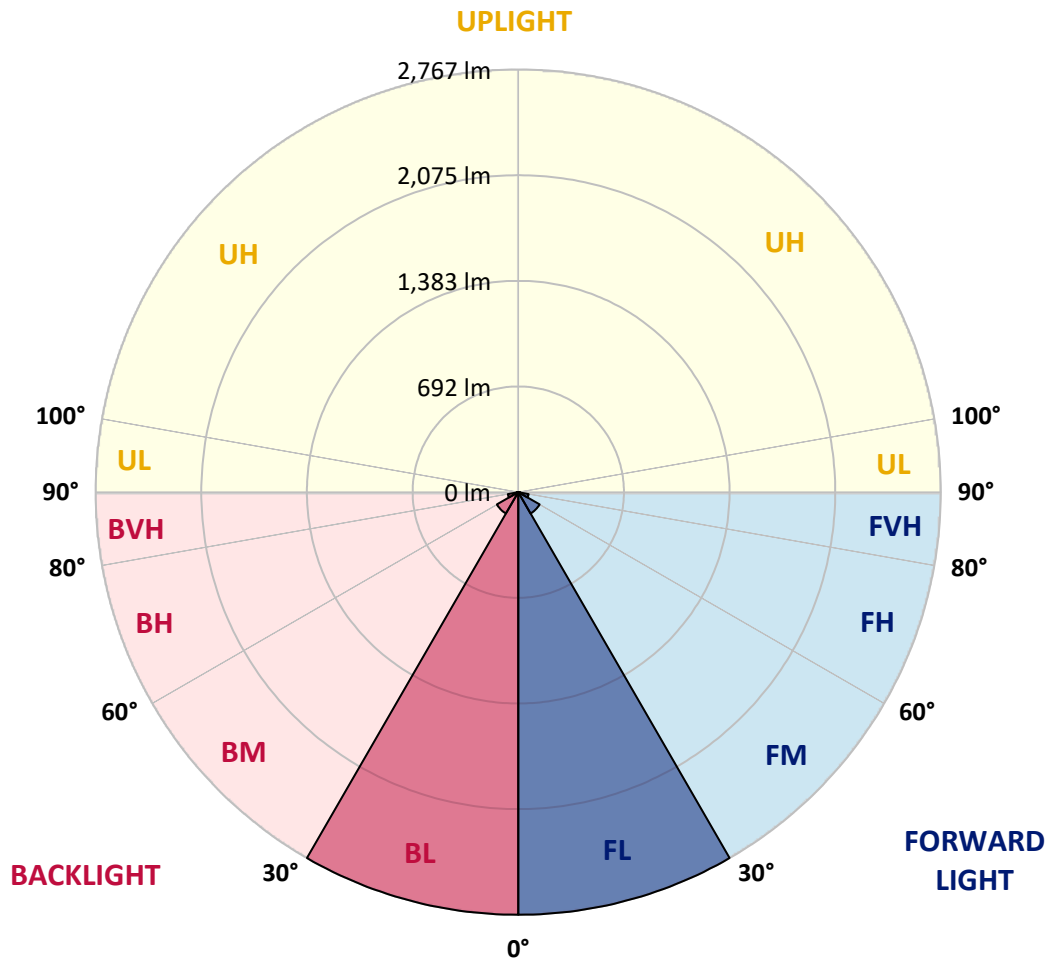
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2767.0	46.0			
FM (30°-60°)	161.3	2.7			
FH (60°-80°)	68.7	1.1			G0/660
FVH (80°-90°)	10.4	0.2			G1/100
BL (0°-30°)	2767.0	46.0	B4/5000		
BM (30°-60°)	161.3	2.7	B0/220		
BH (60°-80°)	68.7	1.1	B0/110		G0/660
BVH (80°-90°)	10.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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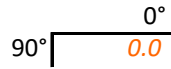
CANDELA DISTRIBUTION (FULL):

0°	
0°	40511.0
1°	40352.5
2°	39953.0
3°	39272.8
4°	38281.7
5°	36901.8
6°	34975.5
7°	32338.8
8°	28995.4
9°	25052.3
10°	21053.5
11°	16757.9
12°	12770.6
13°	9436.9
14°	7062.4
15°	5531.1
17.5°	3707.5
20°	2680.1
22.5°	1766.9
25°	1037.1
27.5°	581.9
30°	325.0
32.5°	237.4
35°	201.0
37.5°	177.1
40°	155.9
42.5°	139.9
45°	125.8
47.5°	116.0
50°	108.1
52.5°	103.6
55°	101.0
57.5°	99.2
60°	96.5
62.5°	91.2
65°	85.0
67.5°	77.9
70°	69.1
72.5°	59.3
75°	50.5
77.5°	42.5
80°	35.4
82.5°	28.3
85°	21.3
87.5°	8.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)