

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: P525686

Luminaire Tested: **IFLD-M-SA4B-930-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525686
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-930-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

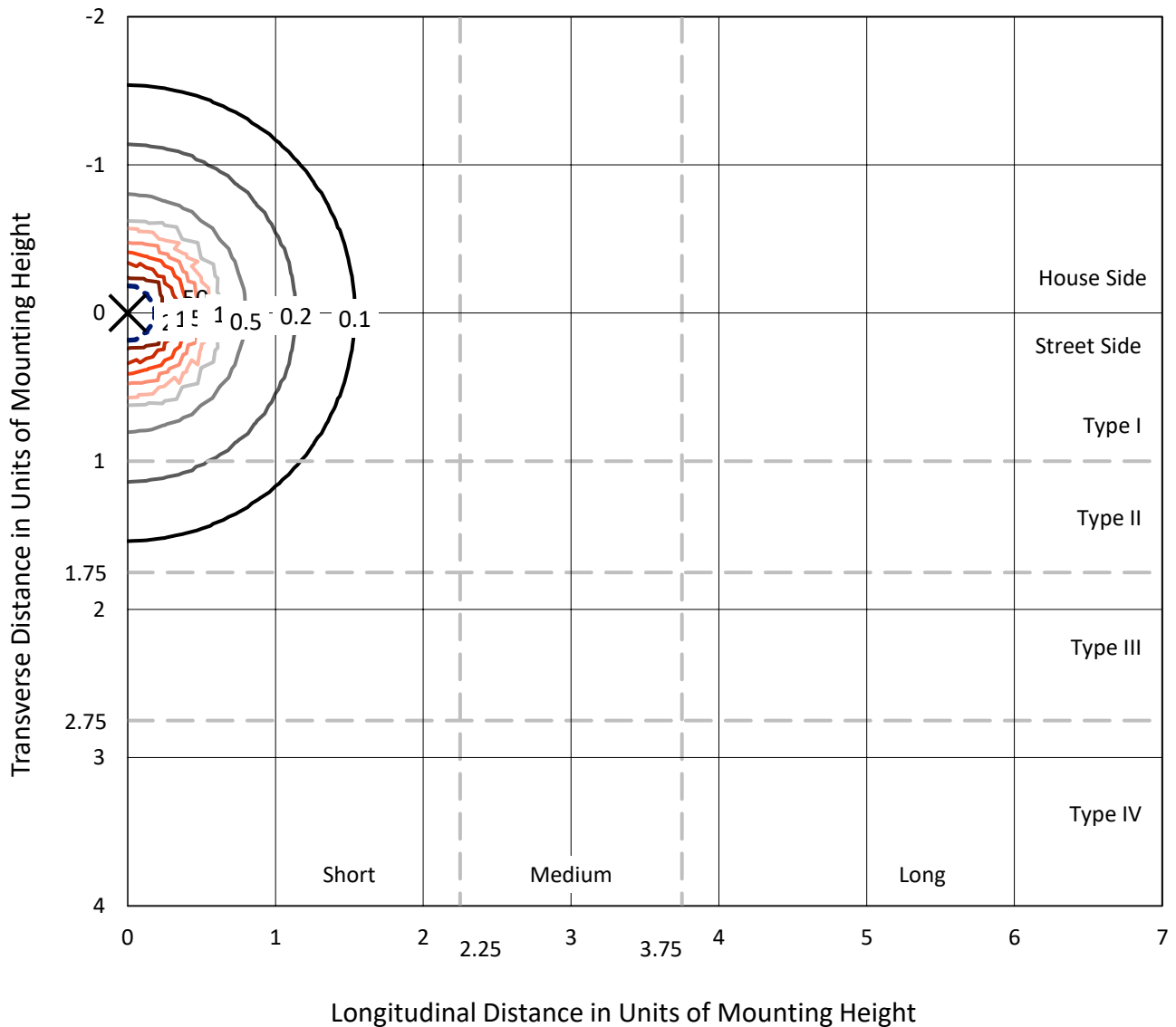
Lumens per Lamp: N/A
Luminaire Lumens: 14879.4 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

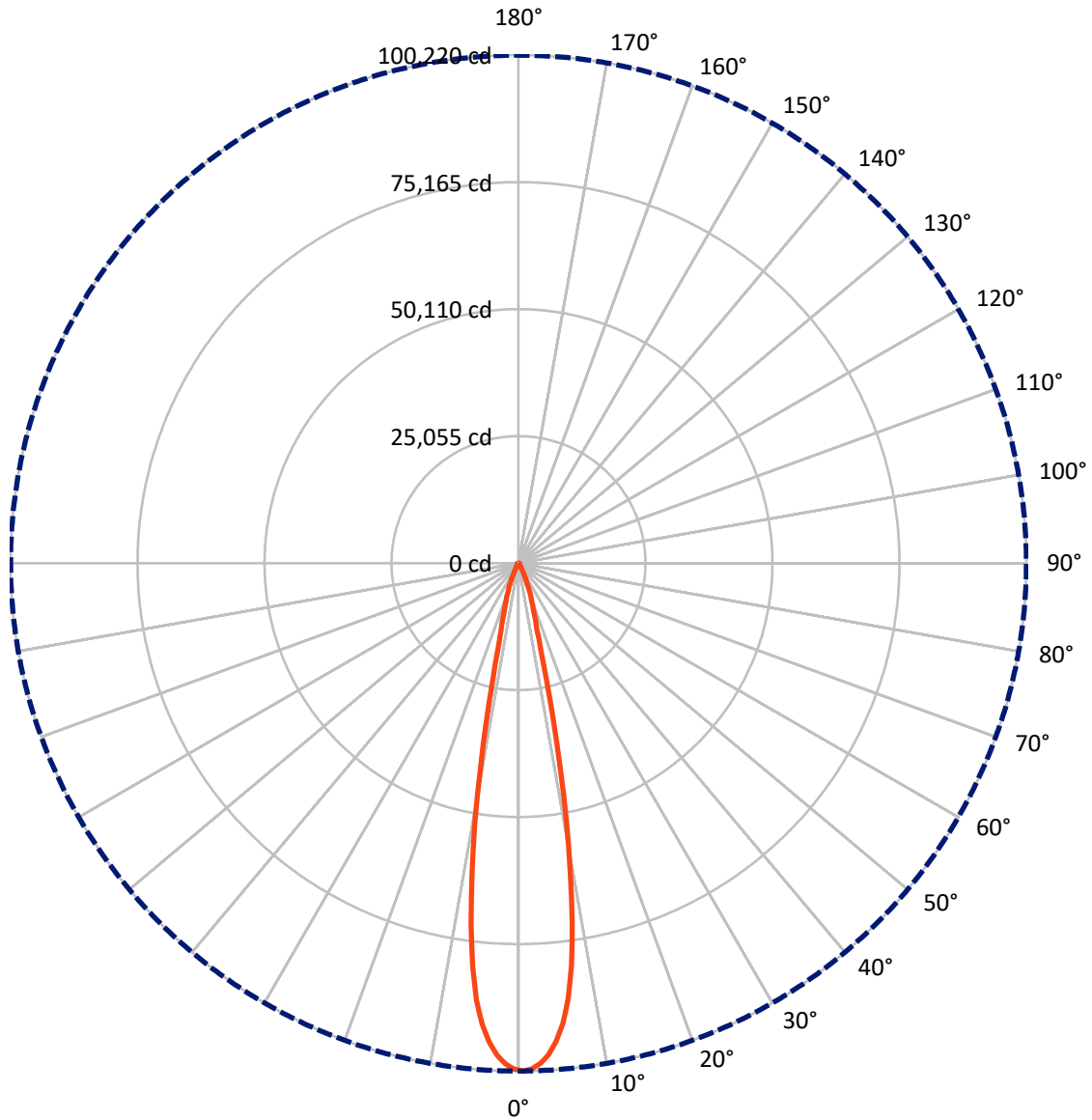
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 250.5 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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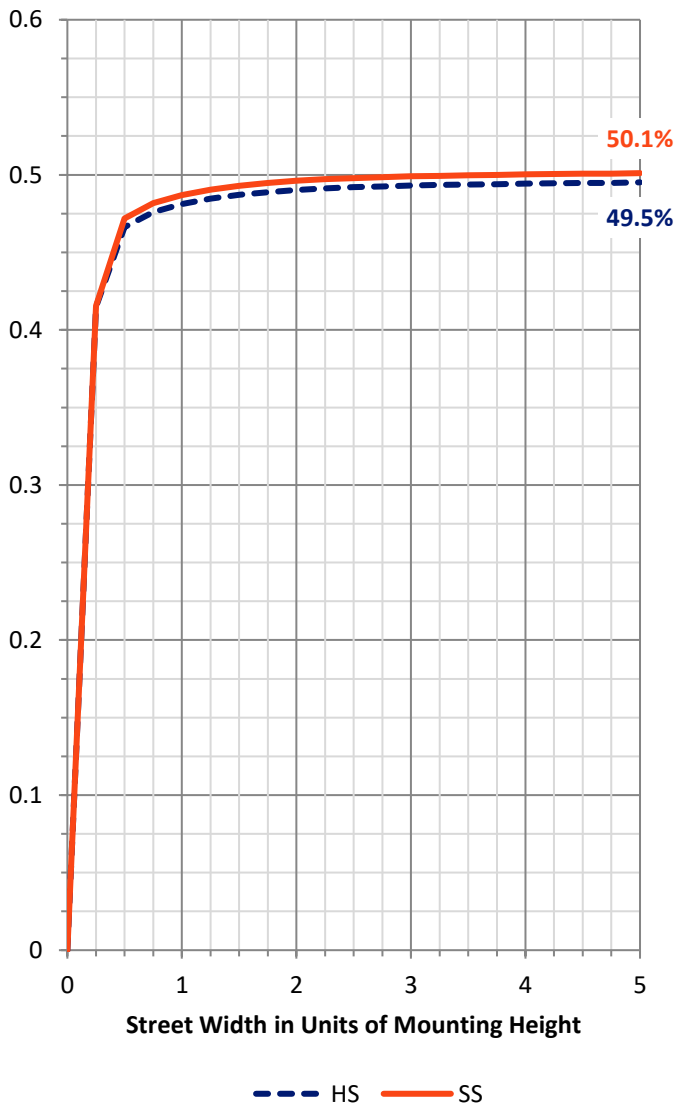
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7439.7	0.0	7439.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7439.7	0.0	7439.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	14879.4	0.0	14879.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7461.9	50.1
10°-20°	4908.2	33.0
20°-30°	1320.2	8.9
30°-40°	328.0	2.2
40°-50°	244.8	1.6
50°-60°	225.1	1.5
60°-70°	206.5	1.4
70°-80°	133.5	0.9
80°-90°	51.3	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°	14879.4	100.0
0°-180°	14879.4	100.0



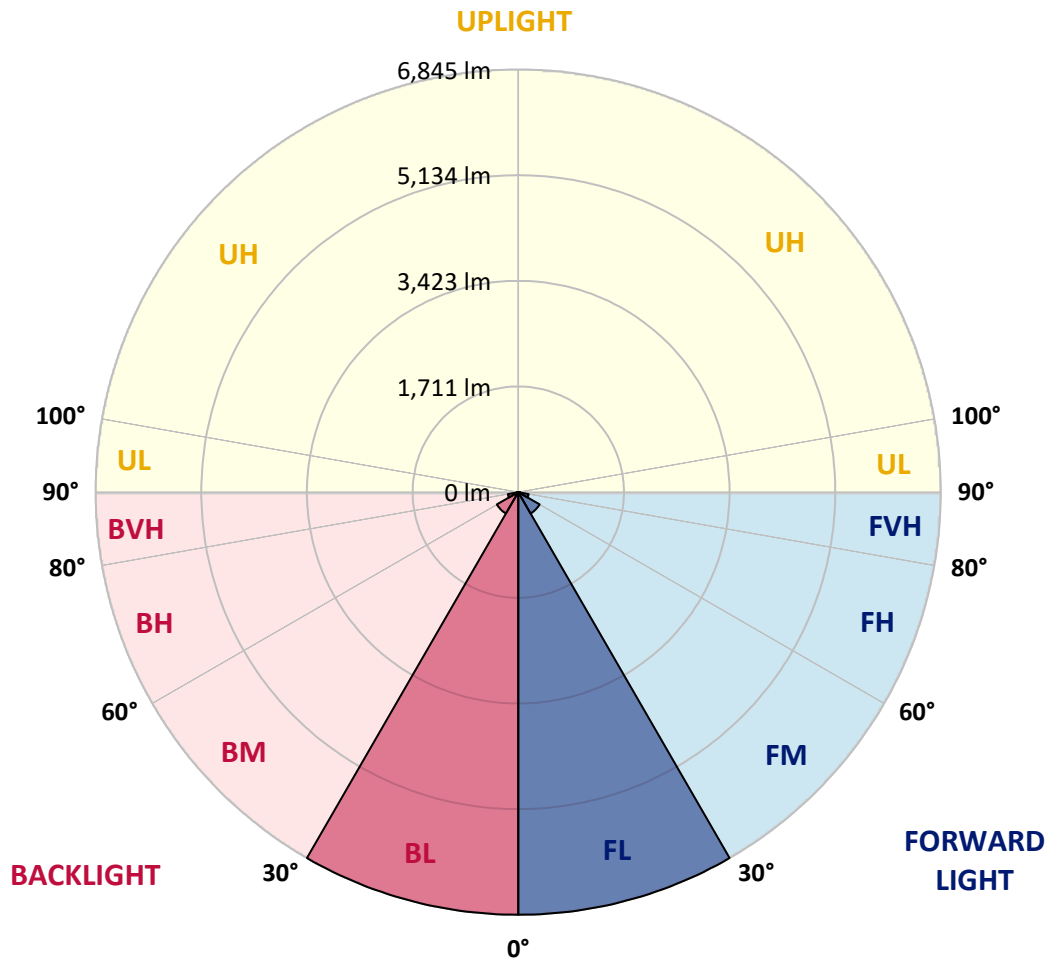
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6845.1	46.0			
FM (30°-60°)	399.0	2.7			
FH (60°-80°)	170.0	1.1			G0/660
FVH (80°-90°)	25.6	0.2			G1/100
BL (0°-30°)	6845.1	46.0	B5		
BM (30°-60°)	399.0	2.7	B1/1000		
BH (60°-80°)	170.0	1.1	B1/500		G0/660
BVH (80°-90°)	25.6	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°	100219.5
1°	99827.3
2°	98839.1
3°	97156.4
4°	94704.6
5°	91290.9
6°	86525.3
7°	80002.5
8°	71731.2
9°	61976.6
10°	52083.9
11°	41457.2
12°	31593.0
13°	23345.8
14°	17471.6
15°	13683.2
17.5°	9171.8
20°	6630.2
22.5°	4371.2
25°	2565.7
27.5°	1439.5
30°	804.1
32.5°	587.2
35°	497.4
37.5°	438.2
40°	385.6
42.5°	346.2
45°	311.1
47.5°	287.0
50°	267.3
52.5°	256.4
55°	249.8
57.5°	245.4
60°	238.8
62.5°	225.7
65°	210.3
67.5°	192.8
70°	170.9
72.5°	146.8
75°	124.9
77.5°	105.2
80°	87.6
82.5°	70.1
85°	52.6
87.5°	21.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)