

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: P525892

Luminaire Tested: **IFLD-L-SA8C-930-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525892
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-930-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

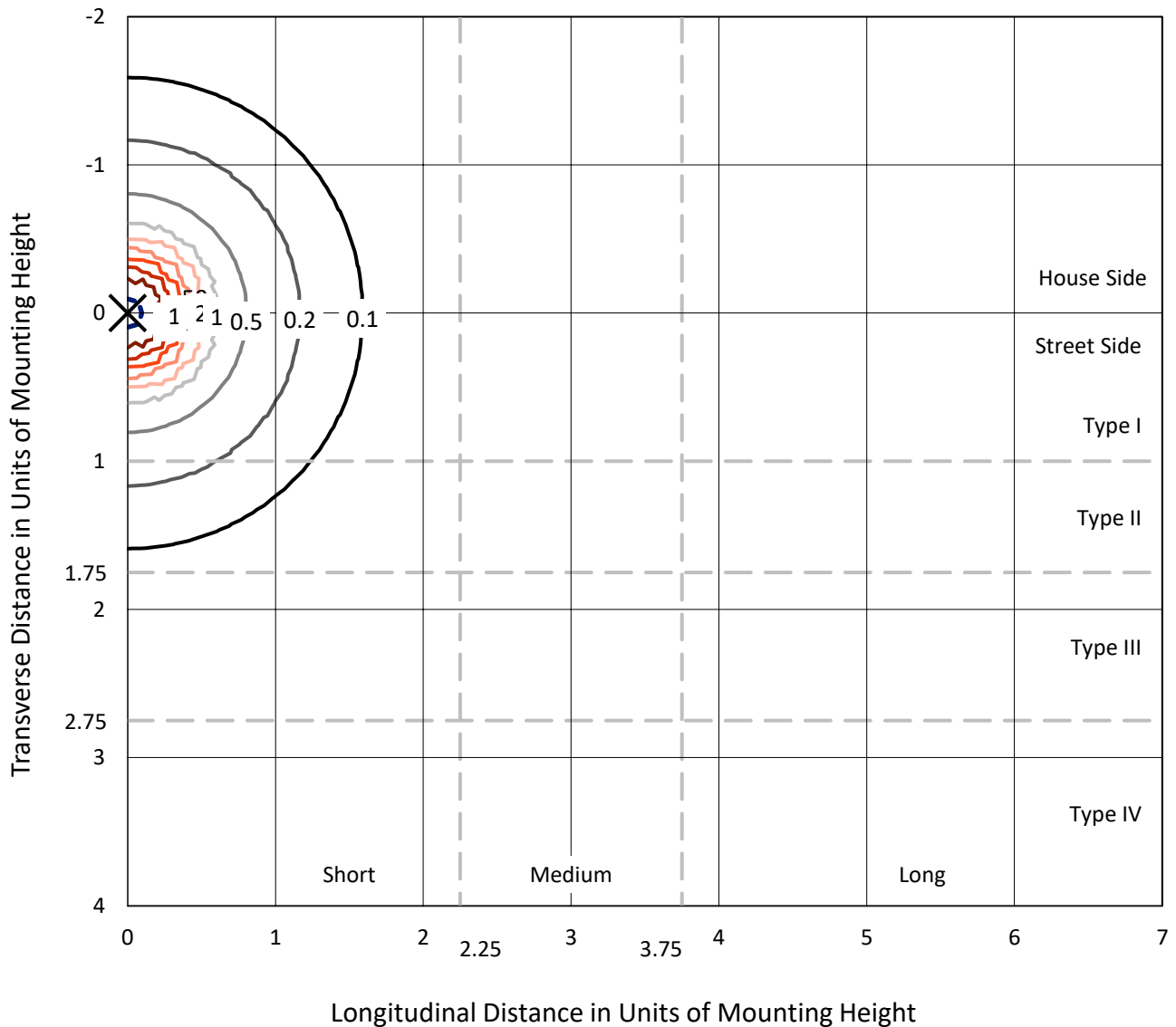
Lumens per Lamp: N/A
Luminaire Lumens: 32588.5 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3
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

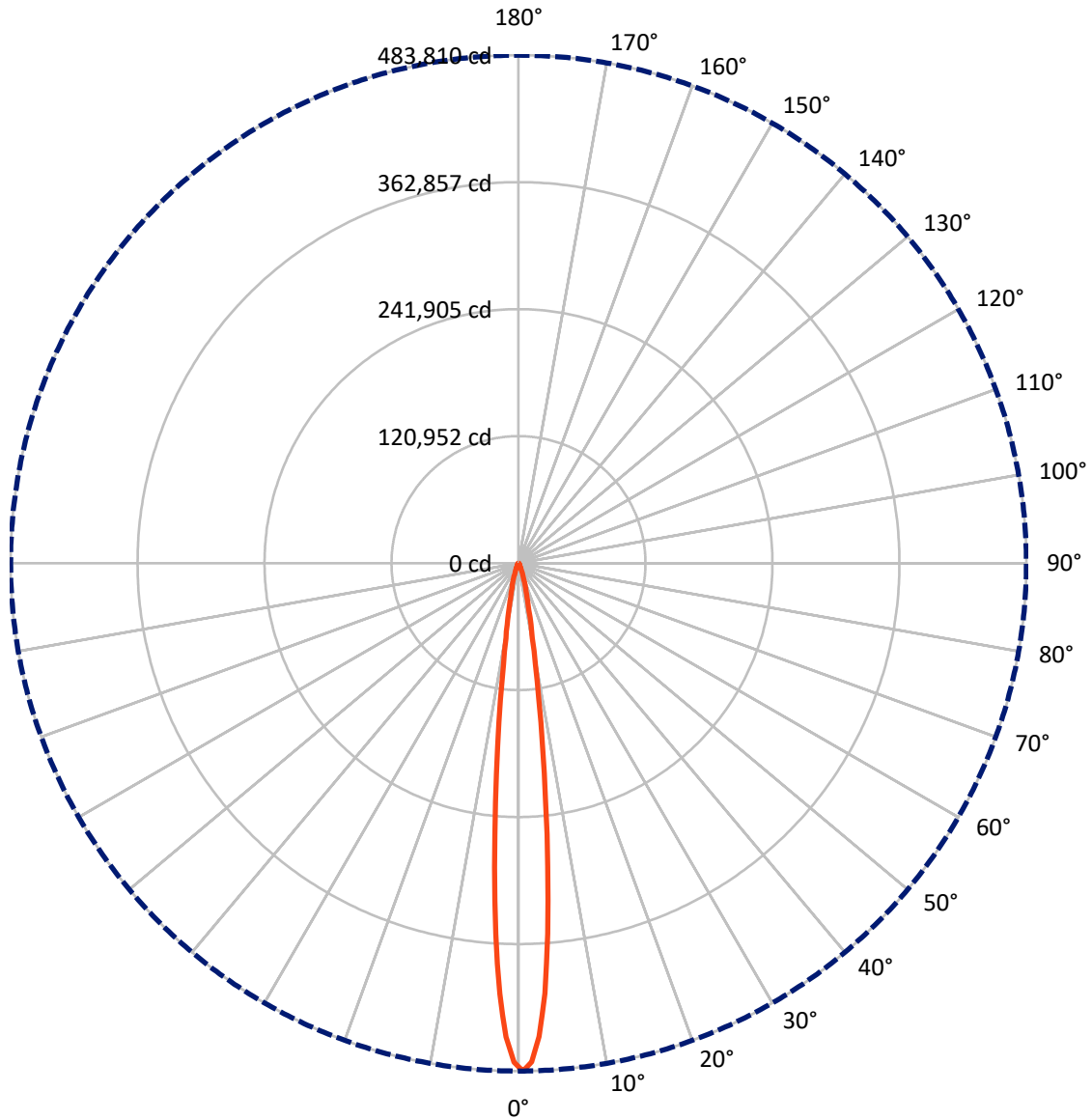
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 537.6 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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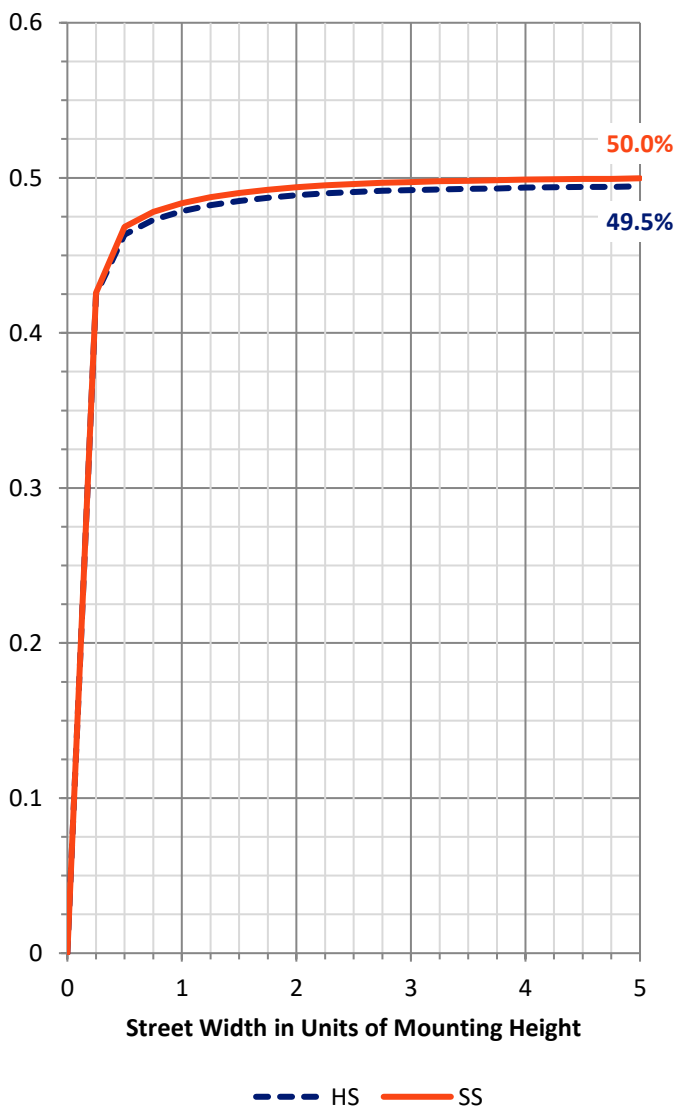
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16294.3	0.0	16294.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16294.3	0.0	16294.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	32588.5	0.0	32588.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19995.7	61.4
10°-20°	7956.5	24.4
20°-30°	1834.6	5.6
30°-40°	696.5	2.1
40°-50°	568.4	1.7
50°-60°	545.9	1.7
60°-70°	523.0	1.6
70°-80°	346.2	1.1
80°-90°	121.7	0.4
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°	32588.5	100.0
0°-180°	32588.5	100.0

Coefficient of Utilization



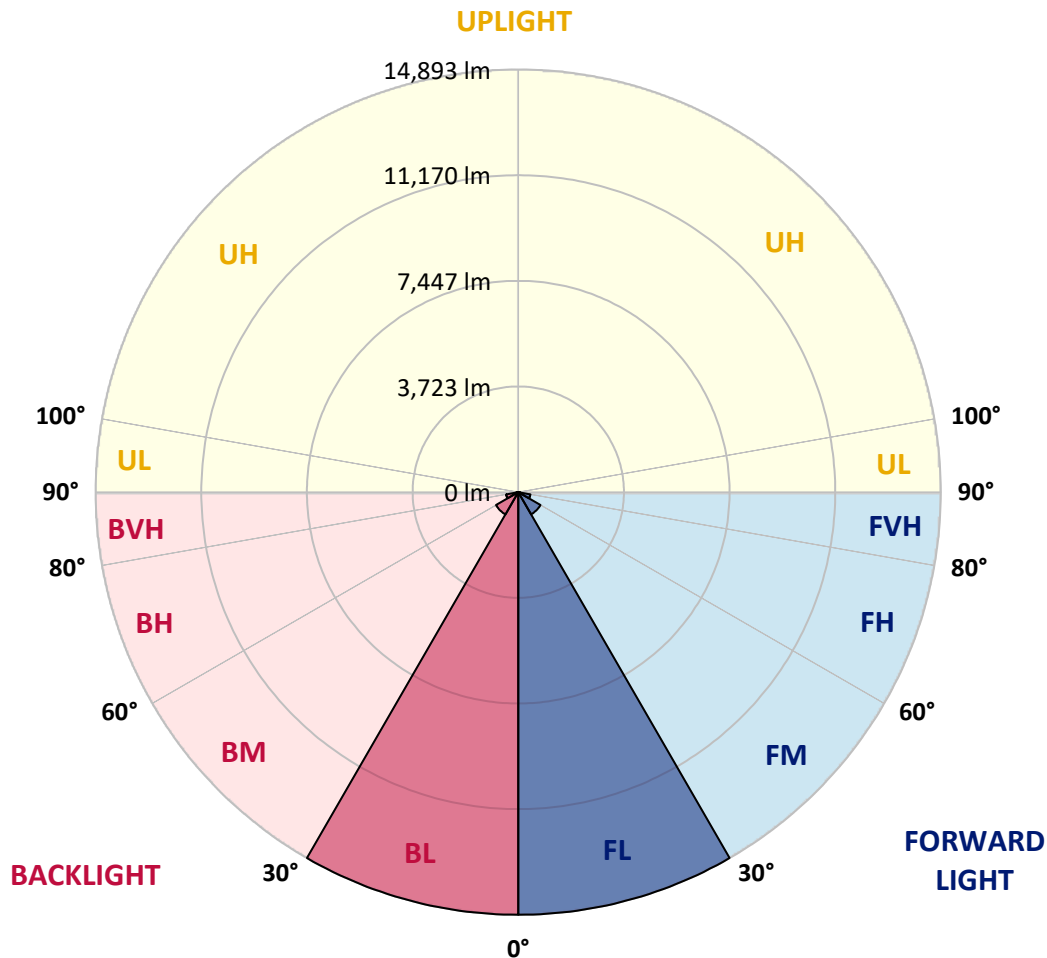
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14893.4	45.7			
FM (30°-60°)	905.4	2.8			
FH (60°-80°)	434.6	1.3			G0/660
FVH (80°-90°)	60.8	0.2			G1/100
BL (0°-30°)	14893.4	45.7	B5		
BM (30°-60°)	905.4	2.8	B1/1000		
BH (60°-80°)	434.6	1.3	B1/500		G0/660
BVH (80°-90°)	60.8	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°	483809.6
1°	475298.7
2°	451458.4
3°	410510.2
4°	354208.8
5°	290725.7
6°	228562.2
7°	175091.4
8°	130681.4
9°	97431.3
10°	72658.7
12.5°	39599.9
15°	25408.6
17.5°	17146.2
20°	10194.0
22.5°	5670.8
25°	3241.8
27.5°	2056.0
30°	1482.2
32.5°	1209.7
35°	1075.8
37.5°	999.3
40°	898.9
42.5°	798.5
45°	712.4
47.5°	669.4
50°	640.7
52.5°	621.6
55°	607.2
57.5°	597.7
60°	578.6
62.5°	564.2
65°	535.5
67.5°	497.3
70°	449.5
72.5°	387.3
75°	325.1
77.5°	267.8
80°	215.2
82.5°	167.4
85°	124.3
87.5°	47.8
90°	0.0

(END OF REPORT)