

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: P525896

Luminaire Tested: **IFLD-S-SA2C-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525896
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

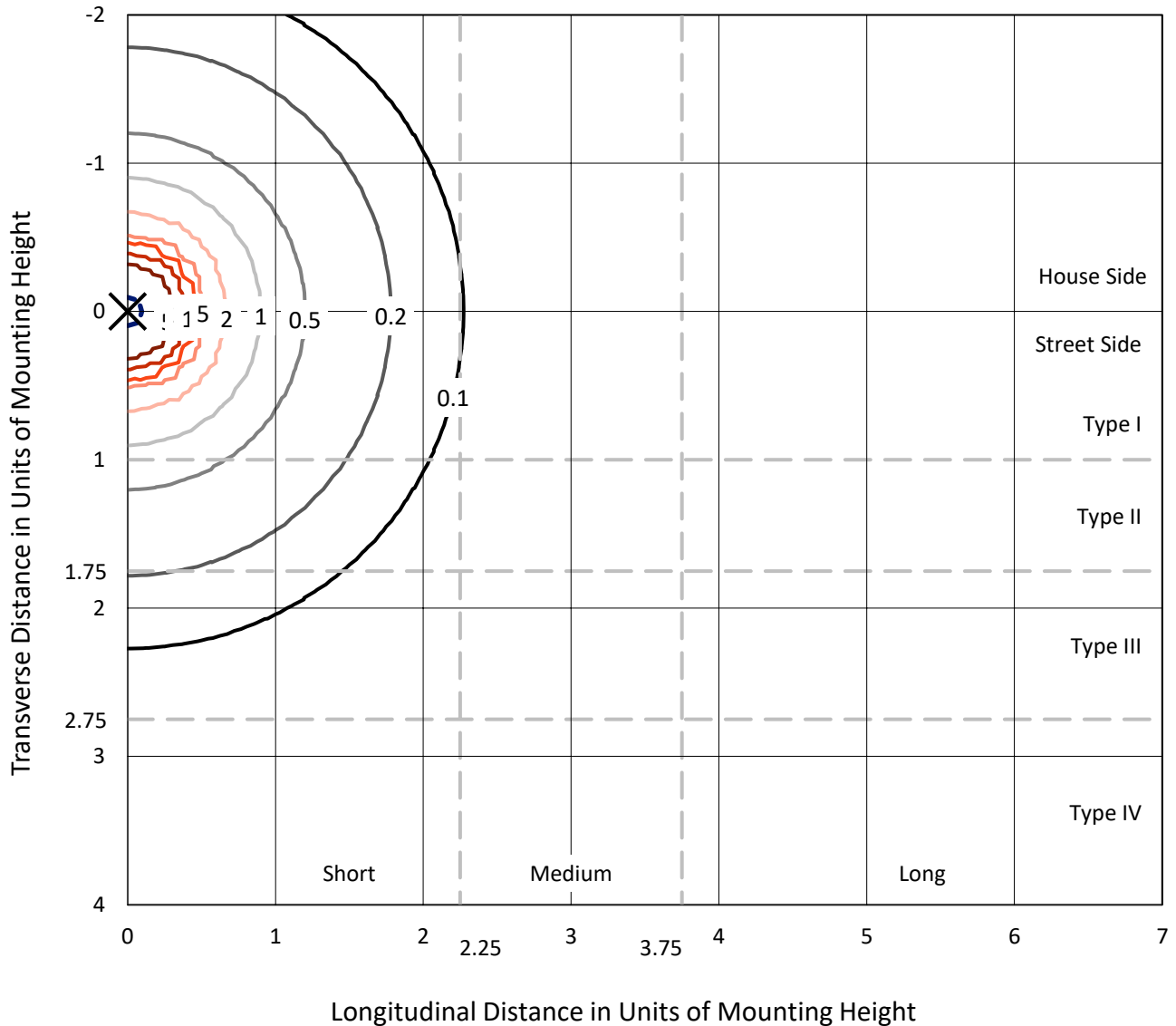
Lumens per Lamp: N/A
Luminaire Lumens: 9642.5 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

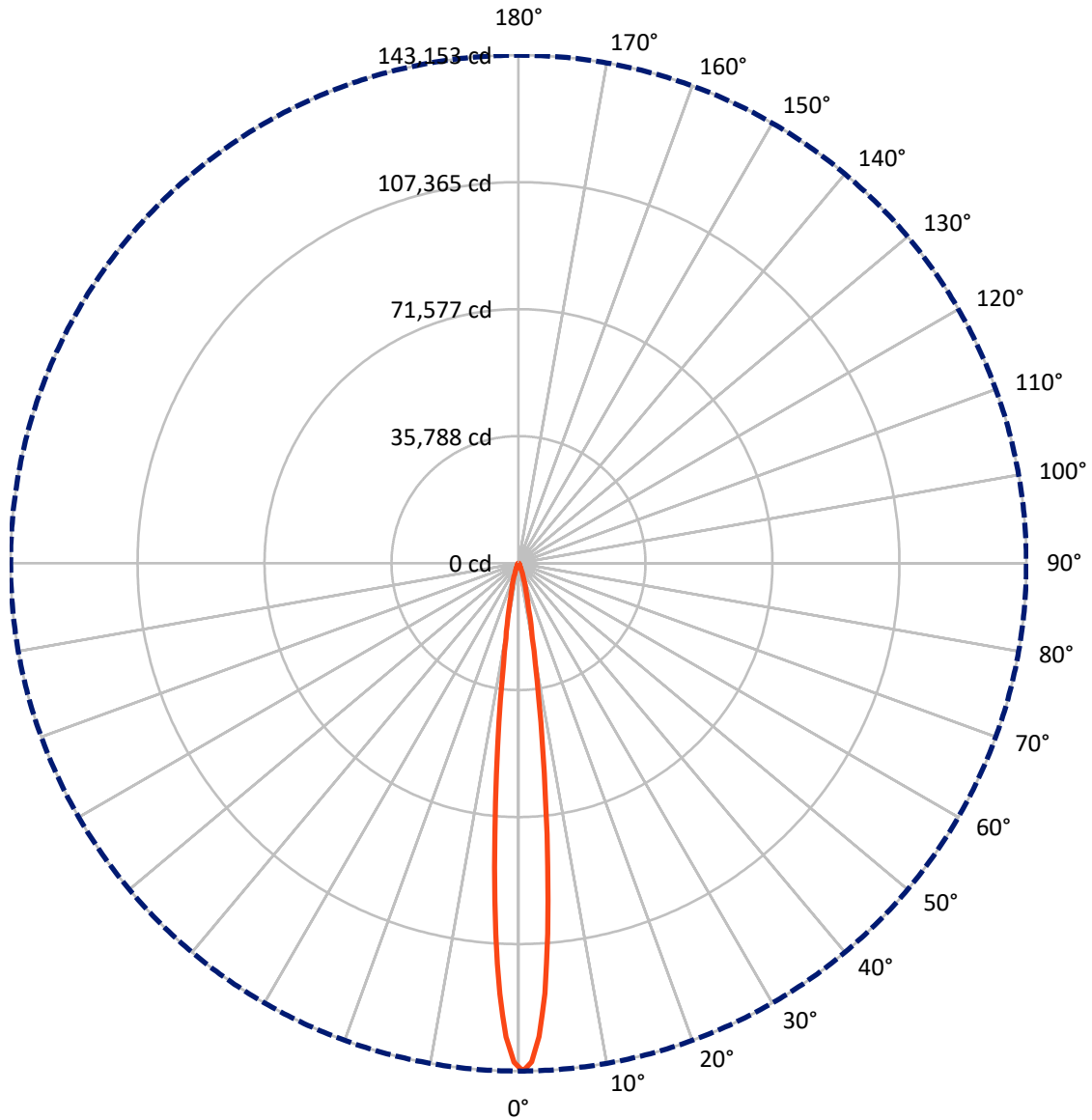
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1431.5 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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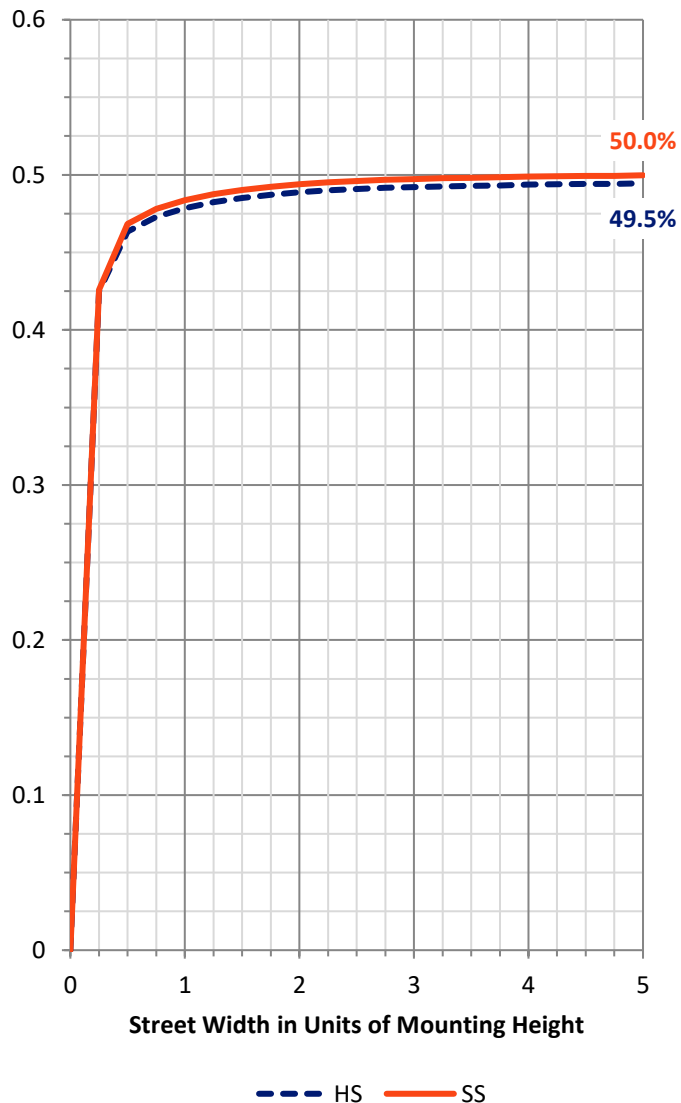
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4821.3	0.0	4821.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4821.3	0.0	4821.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	9642.5	0.0	9642.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5916.5	61.4
10°-20°	2354.2	24.4
20°-30°	542.8	5.6
30°-40°	206.1	2.1
40°-50°	168.2	1.7
50°-60°	161.5	1.7
60°-70°	154.8	1.6
70°-80°	102.4	1.1
80°-90°	36.0	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°	9642.5	100.0
0°-180°	9642.5	100.0

Coefficient of Utilization



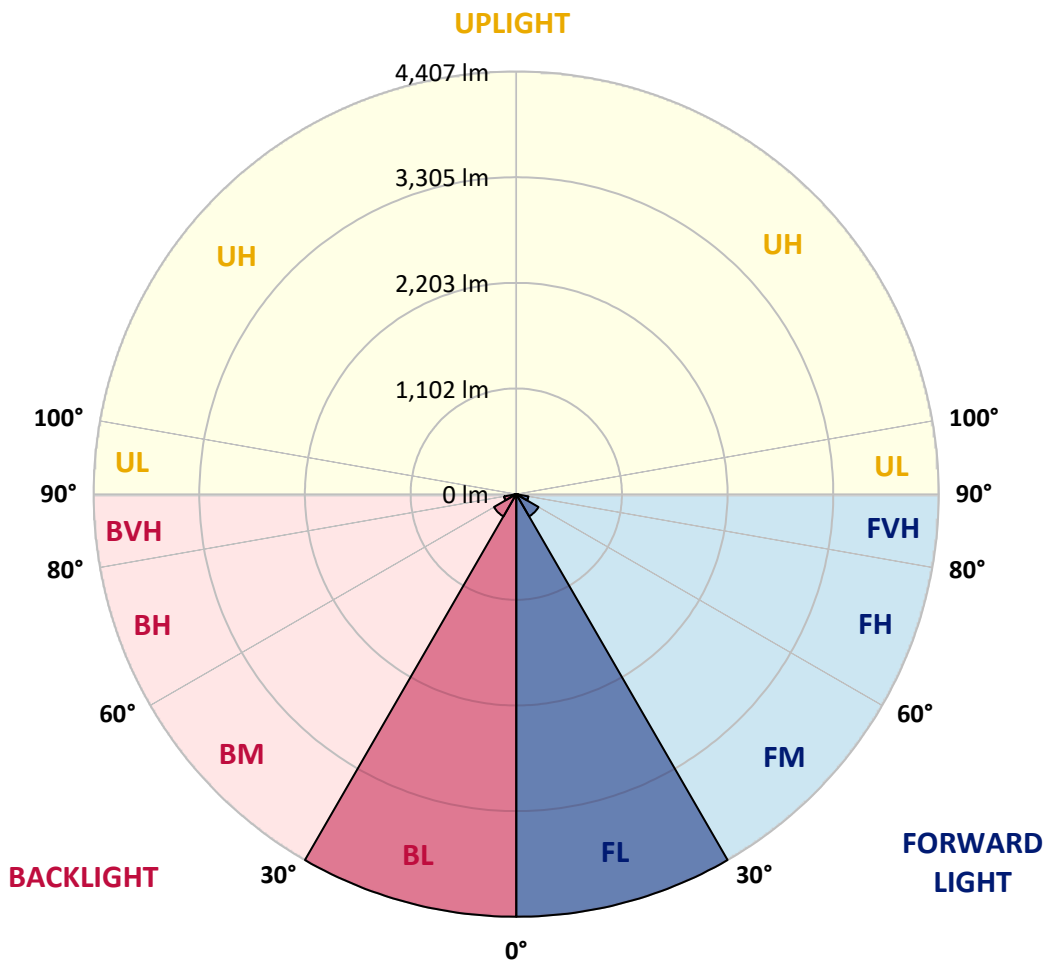
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4406.8	45.7			
FM (30°-60°)	267.9	2.8			
FH (60°-80°)	128.6	1.3			G0/660
FVH (80°-90°)	18.0	0.2			G1/100
BL (0°-30°)	4406.8	45.7	B4/5000		
BM (30°-60°)	267.9	2.8	B1/1000		
BH (60°-80°)	128.6	1.3	B1/500		G0/660
BVH (80°-90°)	18.0	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°	143153.0
1°	140634.7
2°	133580.7
3°	121464.7
4°	104805.8
5°	86022.0
6°	67628.6
7°	51807.3
8°	38666.9
9°	28828.7
10°	21498.8
12.5°	11717.1
15°	7518.1
17.5°	5073.3
20°	3016.3
22.5°	1677.9
25°	959.2
27.5°	608.3
30°	438.6
32.5°	357.9
35°	318.3
37.5°	295.7
40°	266.0
42.5°	236.3
45°	210.8
47.5°	198.1
50°	189.6
52.5°	183.9
55°	179.7
57.5°	176.8
60°	171.2
62.5°	166.9
65°	158.5
67.5°	147.1
70°	133.0
72.5°	114.6
75°	96.2
77.5°	79.2
80°	63.7
82.5°	49.5
85°	36.8
87.5°	14.1
90°	0.0

(END OF REPORT)