

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: P525721

Luminaire Tested: **IFLD-S-SA6C-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525721
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

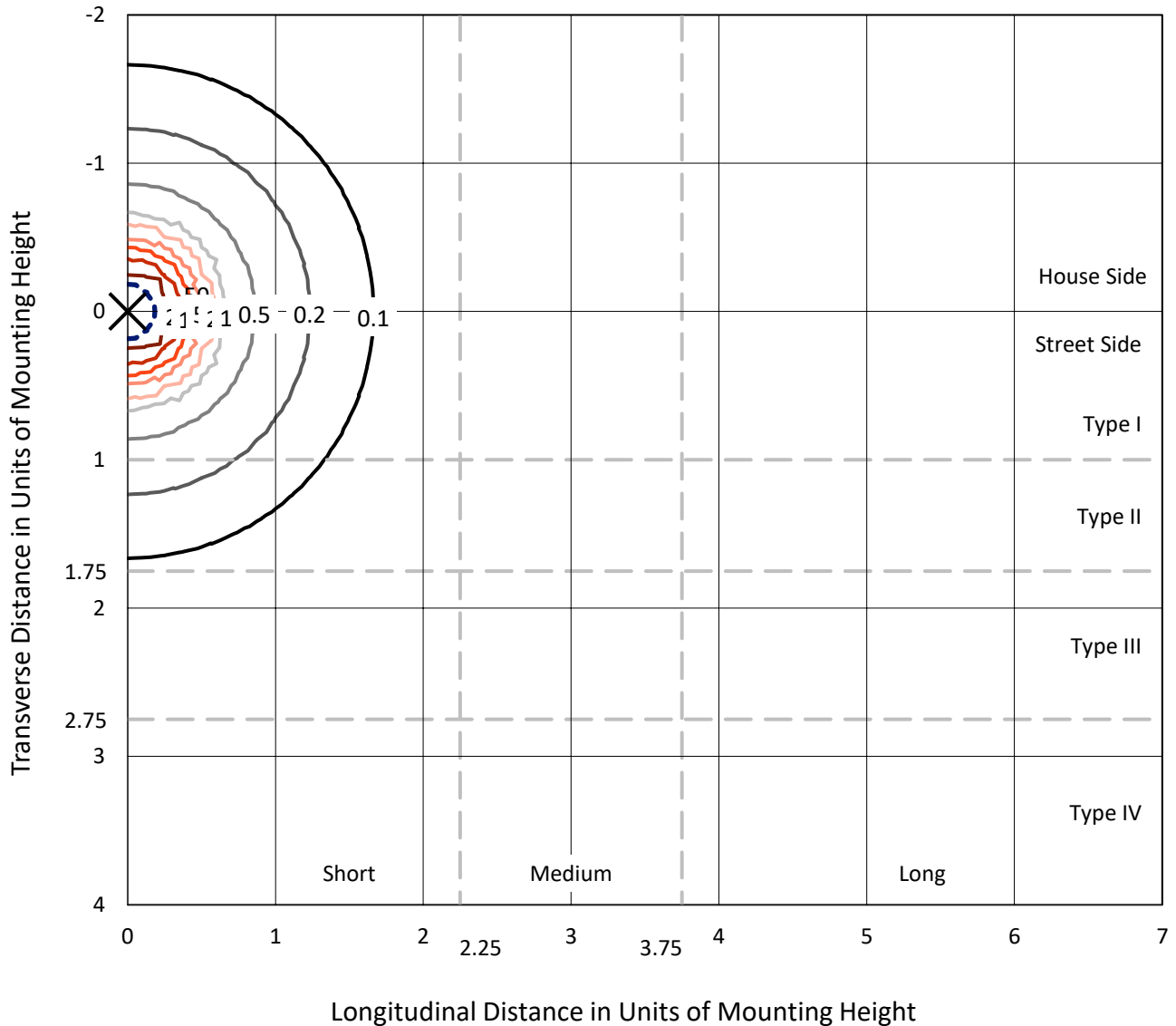
Lumens per Lamp: N/A
Luminaire Lumens: 28084.9 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321.5
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

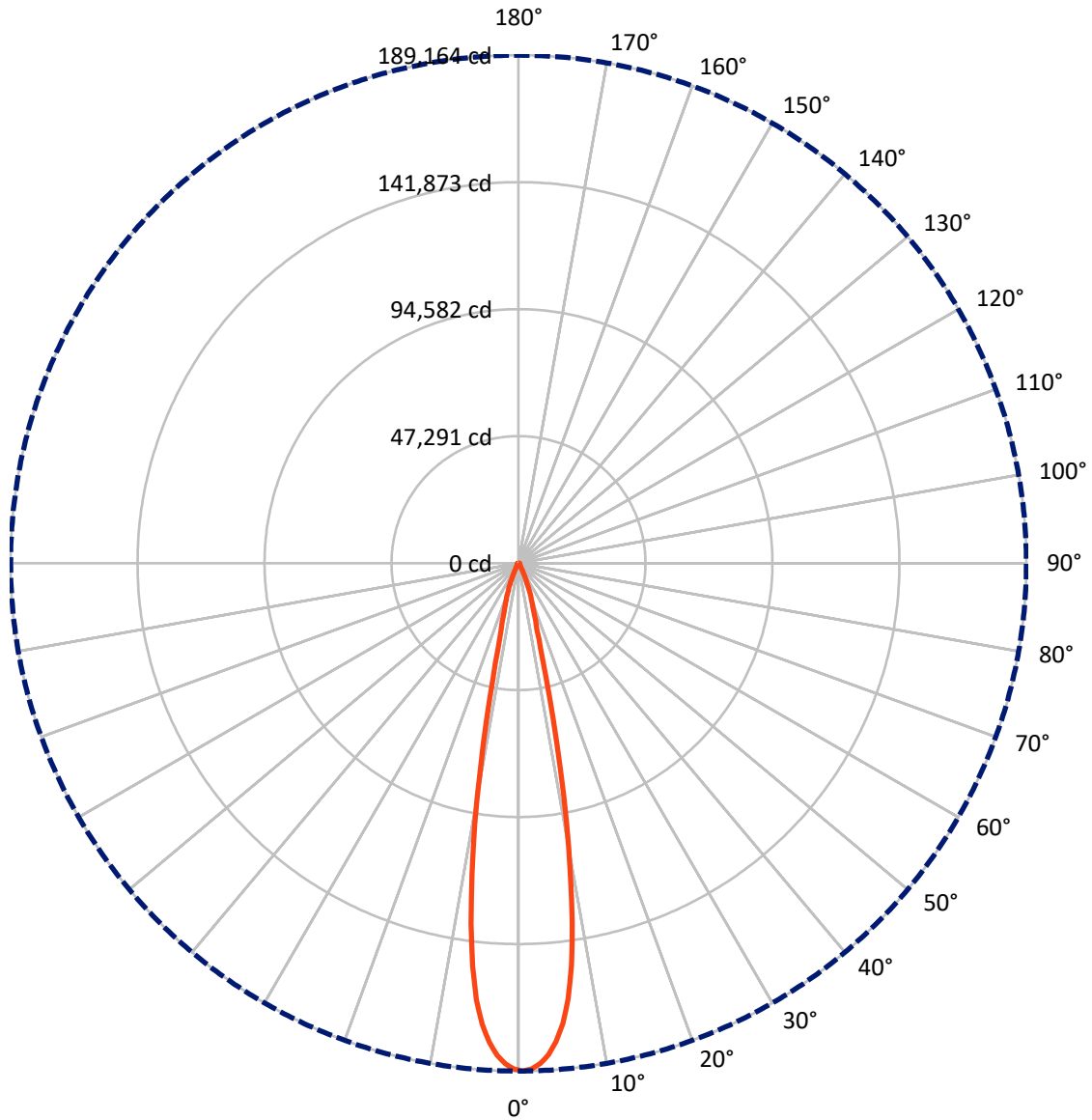
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 302.7 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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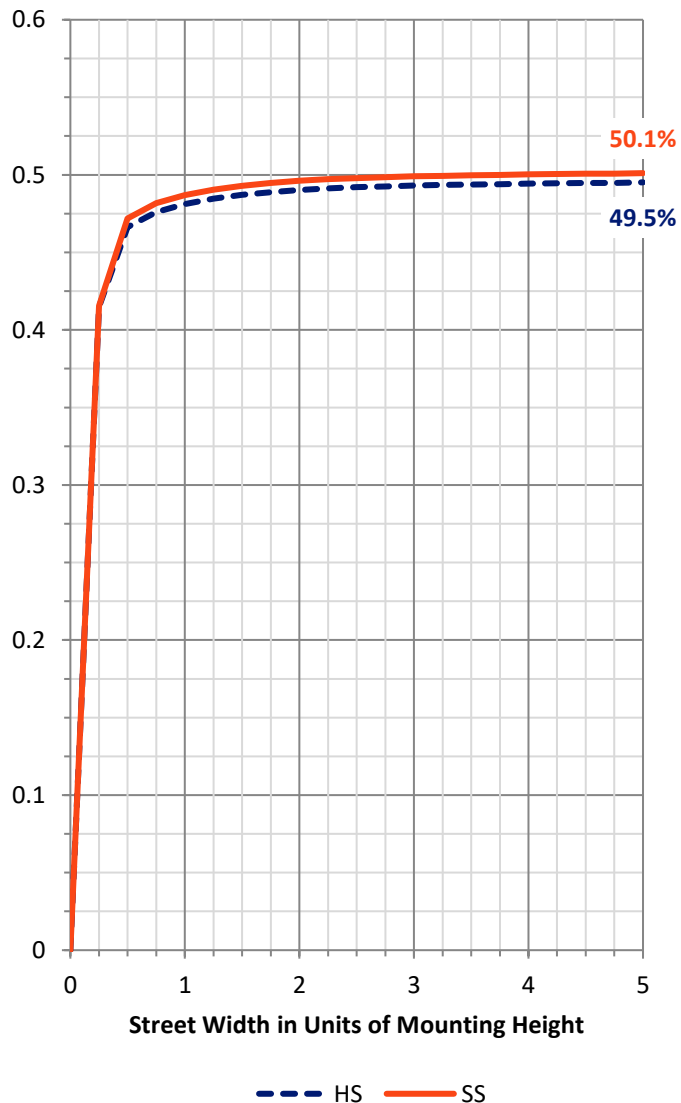
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14042.5	0.0	14042.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14042.5	0.0	14042.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	28084.9	0.0	28084.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14084.2	50.1
10°-20°	9264.2	33.0
20°-30°	2491.9	8.9
30°-40°	619.2	2.2
40°-50°	462.1	1.6
50°-60°	424.9	1.5
60°-70°	389.7	1.4
70°-80°	252.0	0.9
80°-90°	96.8	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°	28084.9	100.0
0°-180°	28084.9	100.0

Coefficient of Utilization



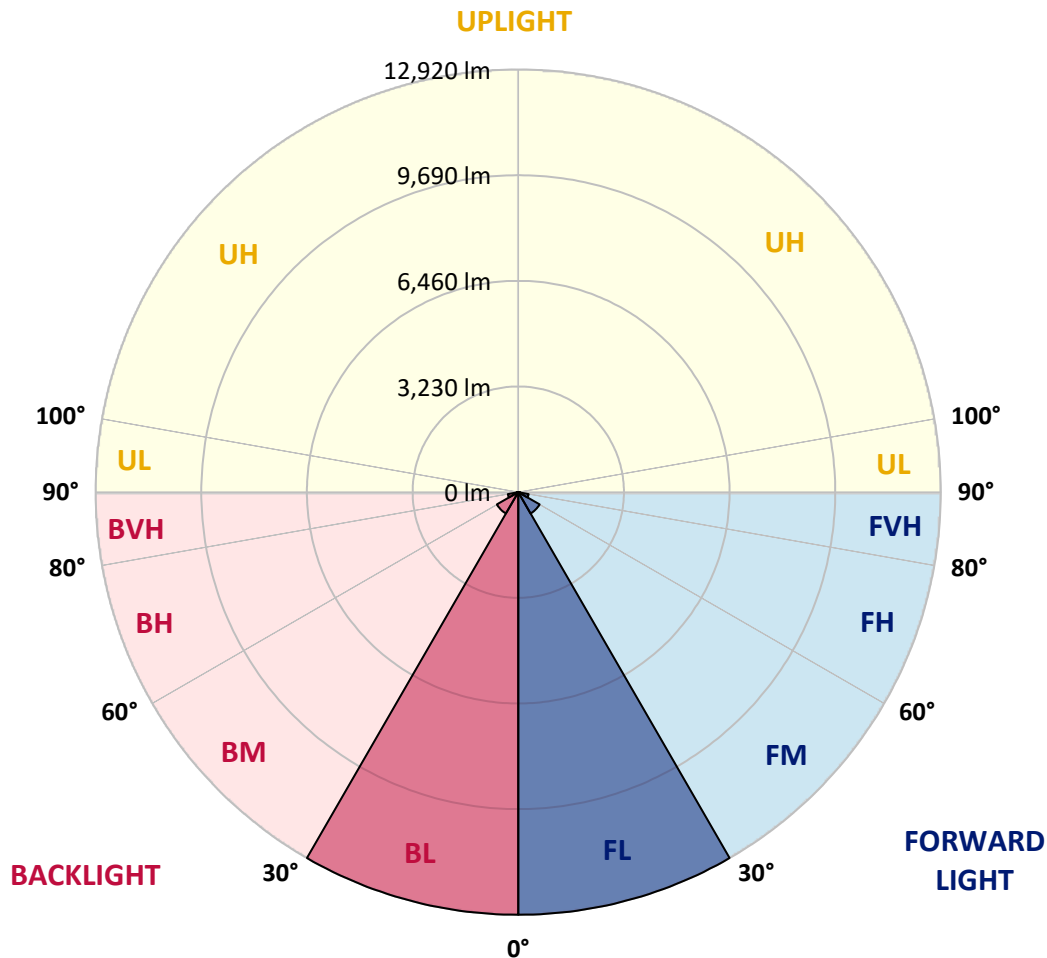
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12920.1	46.0			
FM	(30°-60°)	753.1	2.7			
FH	(60°-80°)	320.9	1.1			G0/660
FVH	(80°-90°)	48.4	0.2			G1/100
BL	(0°-30°)	12920.1	46.0	B5		
BM	(30°-60°)	753.1	2.7	B1/1000		
BH	(60°-80°)	320.9	1.1	B1/500		G0/660
BVH	(80°-90°)	48.4	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	189163.9
1°	188423.7
2°	186558.5
3°	183382.3
4°	178754.6
5°	172311.2
6°	163316.2
7°	151004.4
8°	135392.4
9°	116980.6
10°	98308.2
11°	78250.4
12°	59631.7
13°	44065.2
14°	32977.6
15°	25827.0
17.5°	17311.8
20°	12514.4
22.5°	8250.6
25°	4842.8
27.5°	2717.1
30°	1517.8
32.5°	1108.4
35°	938.8
37.5°	827.1
40°	727.9
42.5°	653.4
45°	587.3
47.5°	541.8
50°	504.5
52.5°	483.9
55°	471.5
57.5°	463.2
60°	450.8
62.5°	426.0
65°	397.0
67.5°	363.9
70°	322.6
72.5°	277.1
75°	235.7
77.5°	198.5
80°	165.4
82.5°	132.3
85°	99.3
87.5°	41.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)