

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: P525704

Luminaire Tested: **IFLD-S-SA3A-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525704
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

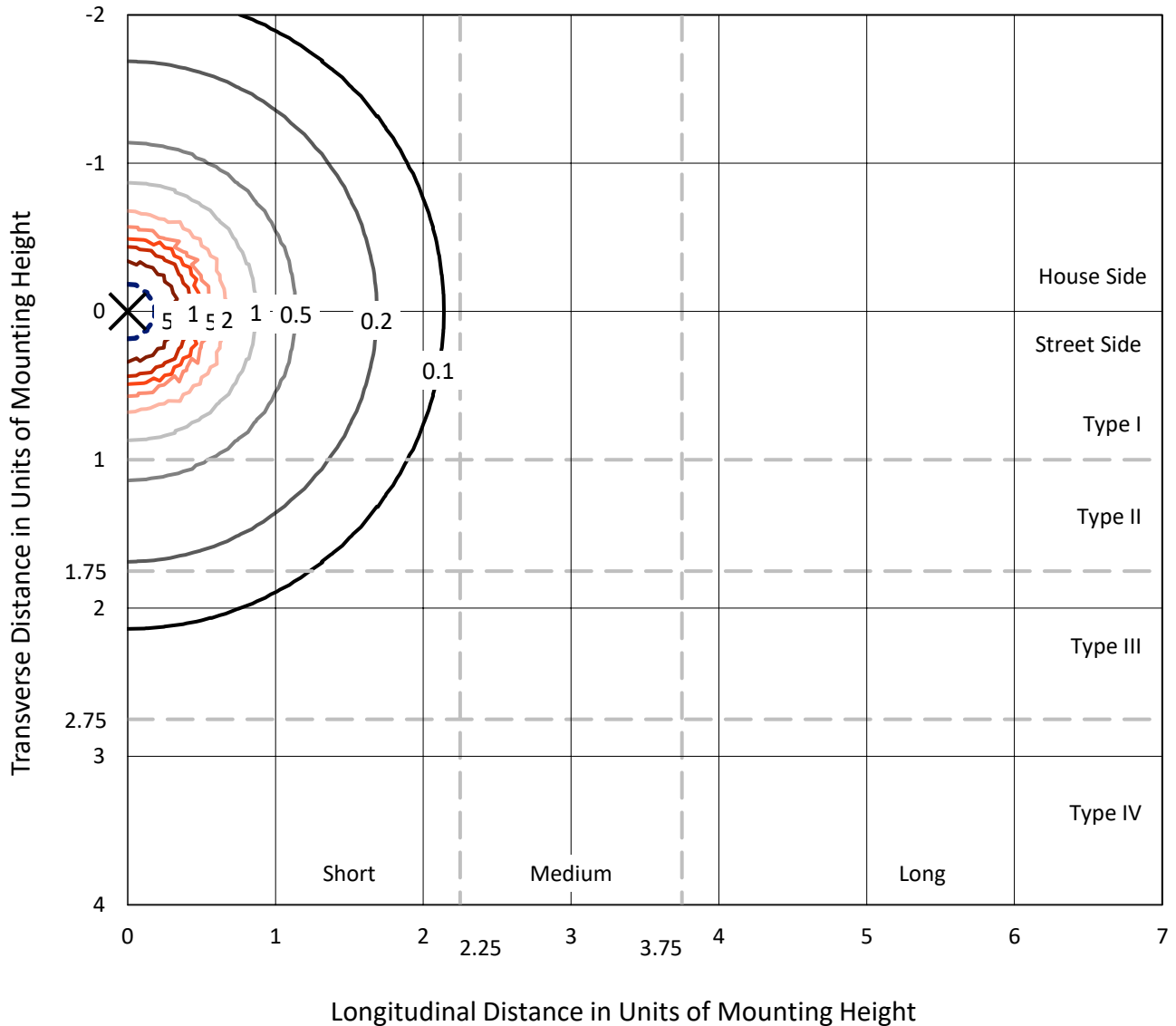
Lumens per Lamp: N/A
Luminaire Lumens: 9299.4 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8
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

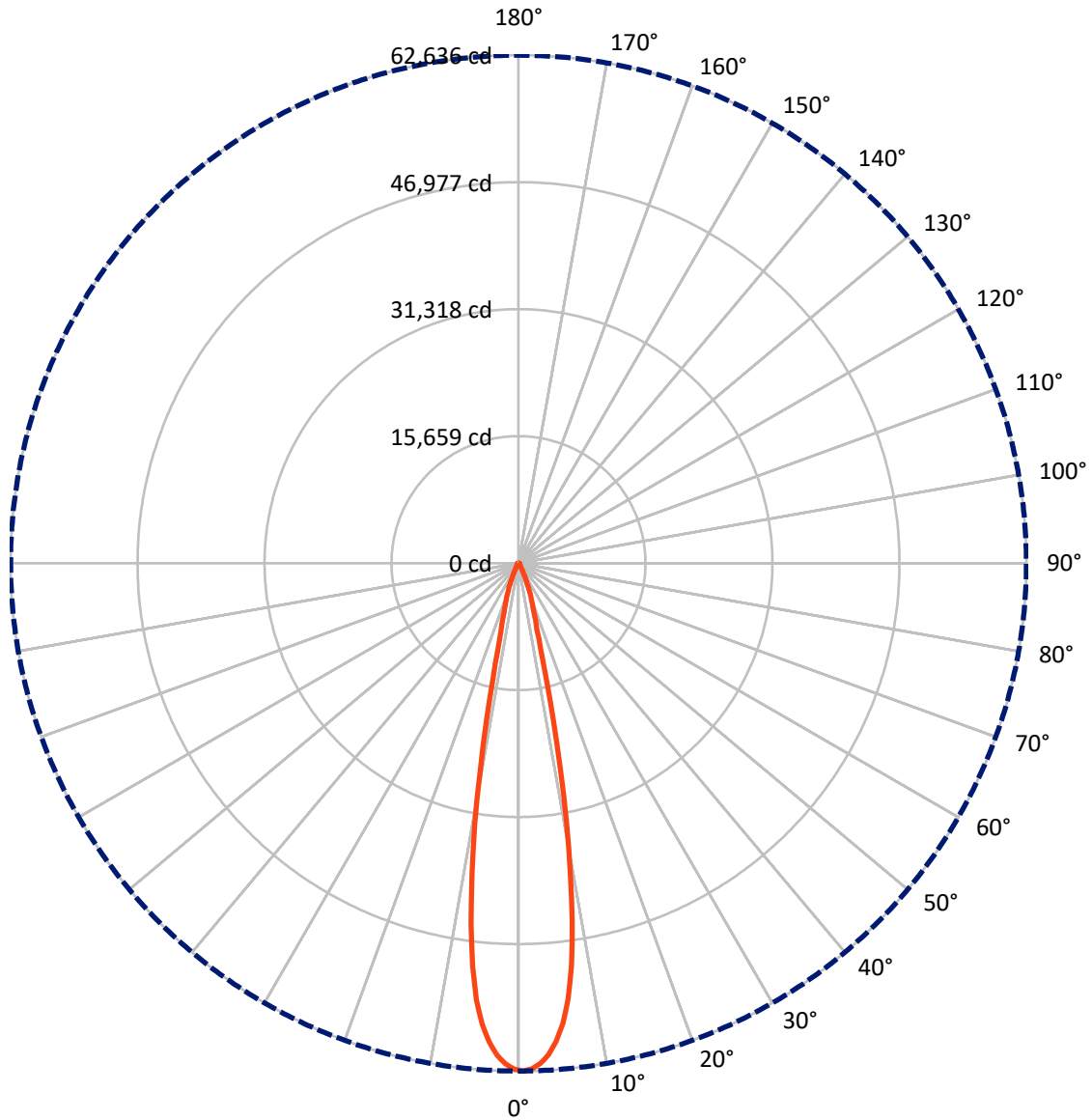
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 626.4 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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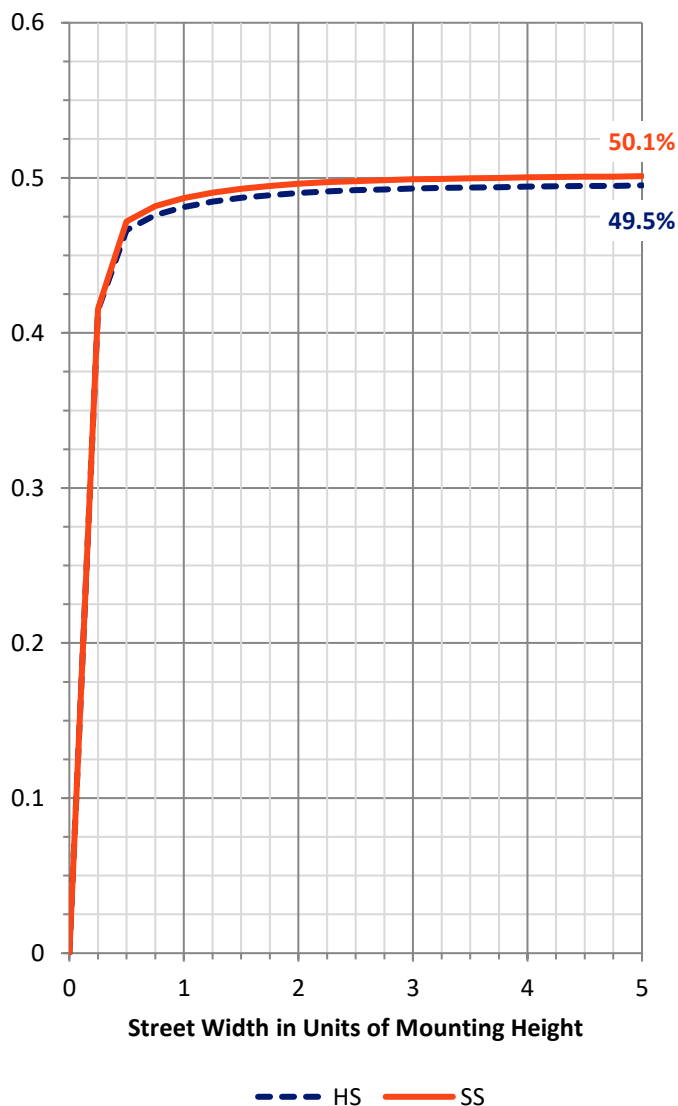
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4649.7	0.0	4649.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4649.7	0.0	4649.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9299.4	0.0	9299.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4663.5	50.1
10°-20°	3067.5	33.0
20°-30°	825.1	8.9
30°-40°	205.0	2.2
40°-50°	153.0	1.6
50°-60°	140.7	1.5
60°-70°	129.0	1.4
70°-80°	83.5	0.9
80°-90°	32.1	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°	9299.4	100.0
0°-180°	9299.4	100.0

Coefficient of Utilization



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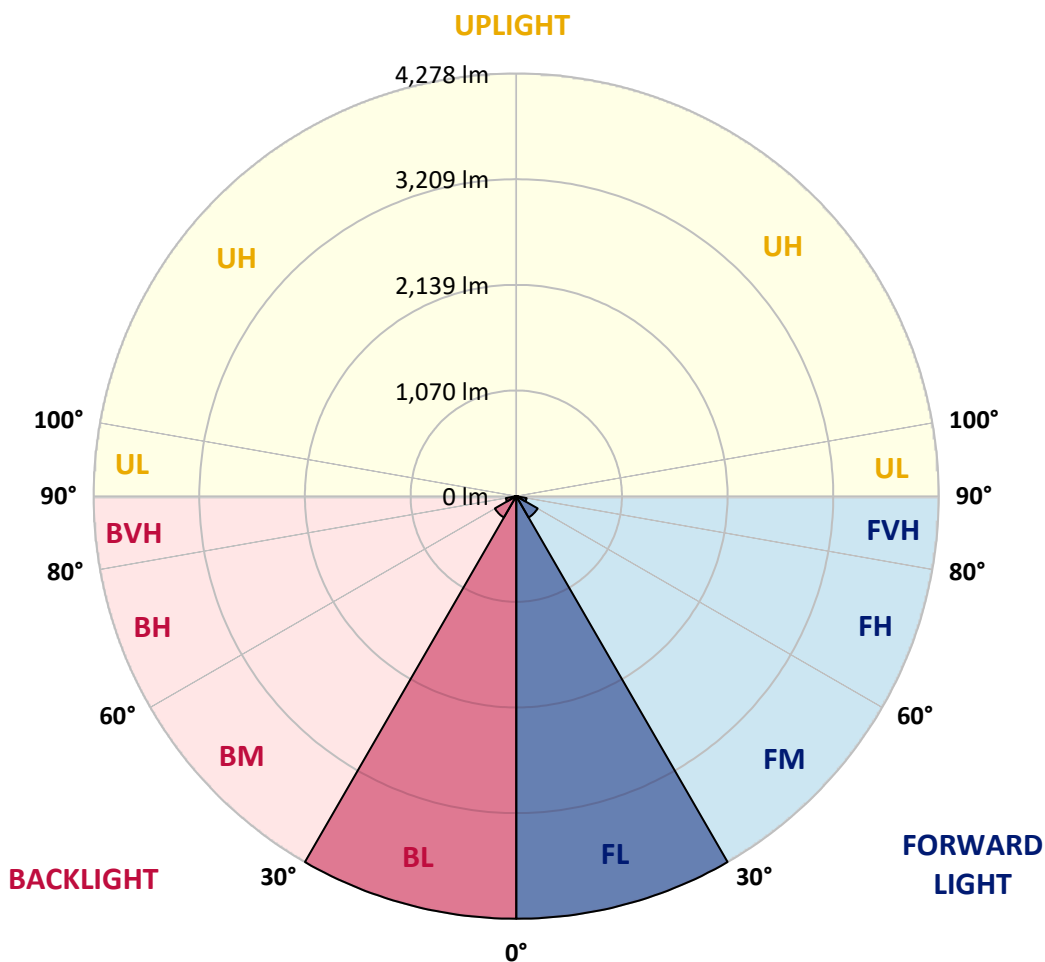
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4278.1	46.0			
FM (30°-60°)	249.4	2.7			
FH (60°-80°)	106.2	1.1			G0/660
FVH (80°-90°)	16.0	0.2			G1/100
BL (0°-30°)	4278.1	46.0	B4/5000		
BM (30°-60°)	249.4	2.7	B1/1000		
BH (60°-80°)	106.2	1.1	B0/110		G0/660
BVH (80°-90°)	16.0	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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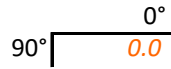
CANDELA DISTRIBUTION (FULL):

0°	
0°	62635.5
1°	62390.3
2°	61772.7
3°	60721.1
4°	59188.7
5°	57055.2
6°	54076.8
7°	50000.2
8°	44830.8
9°	38734.3
10°	32551.5
11°	25910.0
12°	19745.1
13°	14590.7
14°	10919.4
15°	8551.8
17.5°	5732.2
20°	4143.7
22.5°	2731.9
25°	1603.5
27.5°	899.7
30°	502.6
32.5°	367.0
35°	310.8
37.5°	273.9
40°	241.0
42.5°	216.4
45°	194.5
47.5°	179.4
50°	167.1
52.5°	160.2
55°	156.1
57.5°	153.4
60°	149.3
62.5°	141.0
65°	131.5
67.5°	120.5
70°	106.8
72.5°	91.7
75°	78.1
77.5°	65.7
80°	54.8
82.5°	43.8
85°	32.9
87.5°	13.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)