

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: P525621

Luminaire Tested: **IFLD-S-SA2A-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525621
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

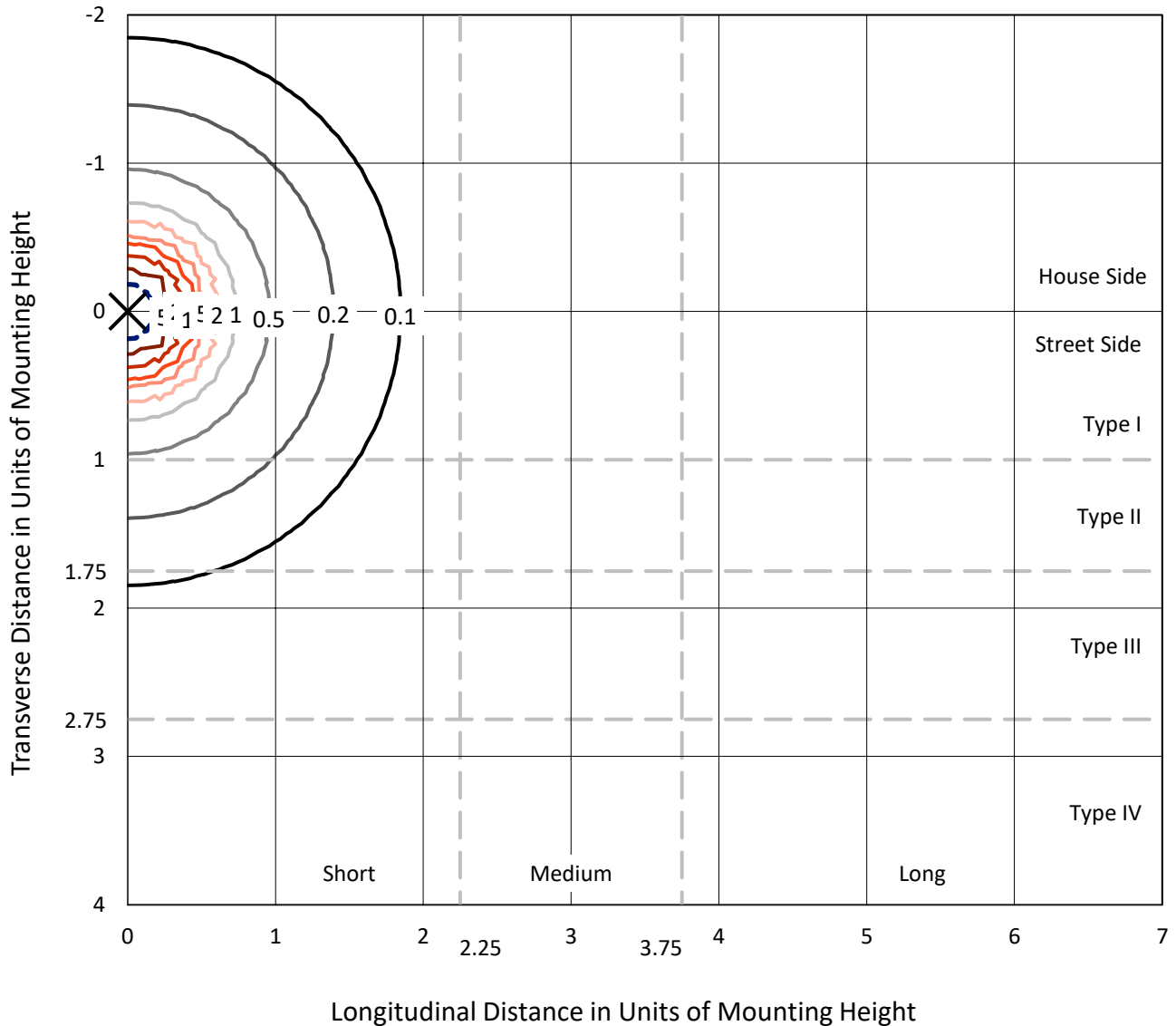
Lumens per Lamp: N/A
Luminaire Lumens: 5949.4 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 63.8
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

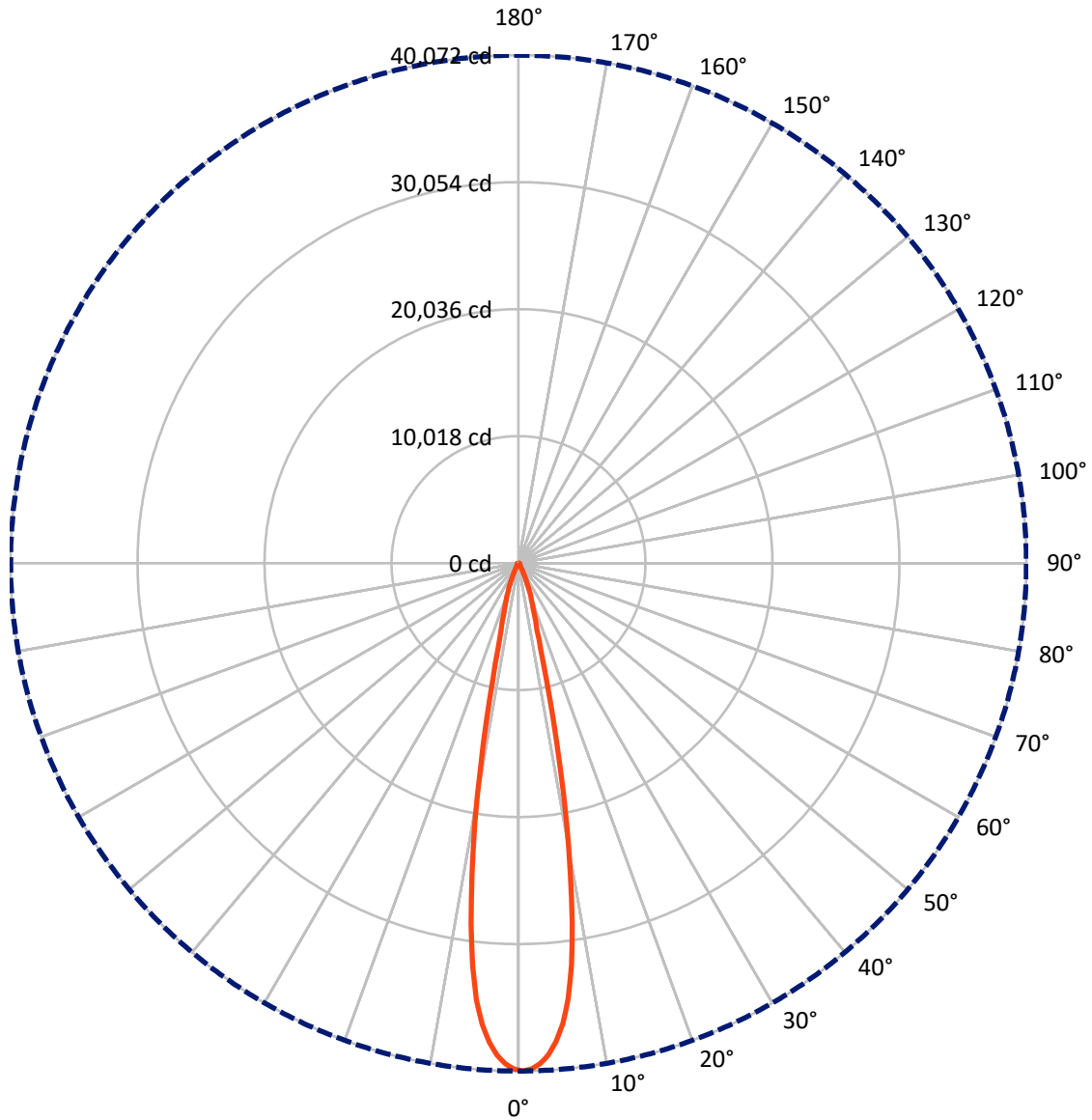
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 400.7 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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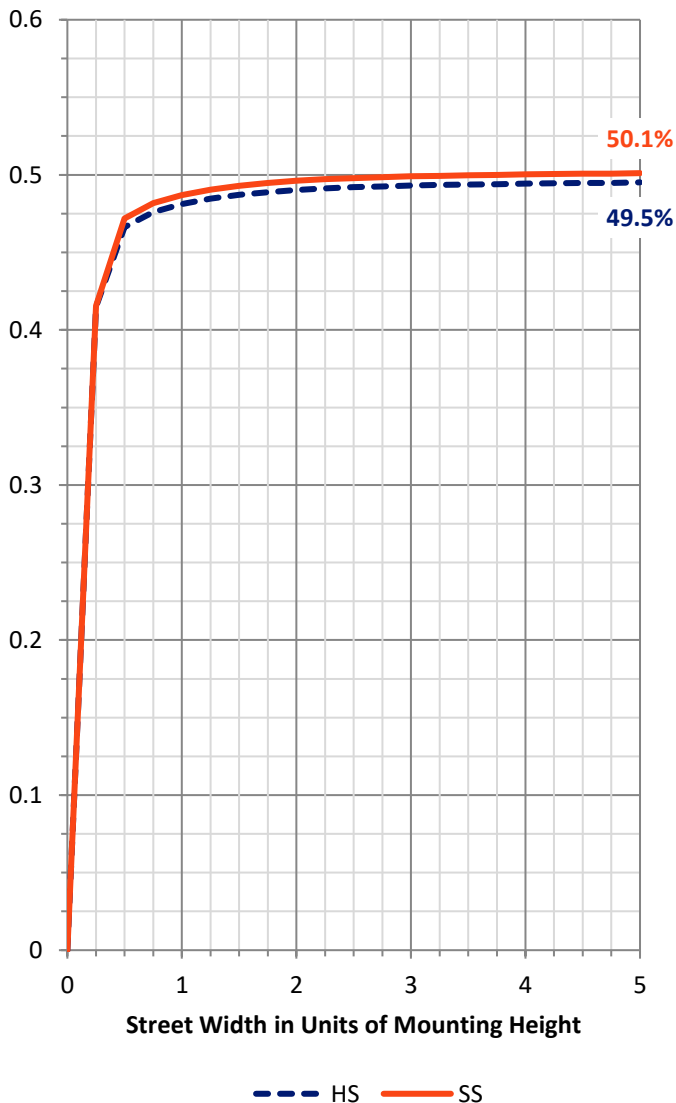
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2974.7	0.0	2974.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2974.7	0.0	2974.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5949.4	0.0	5949.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2983.6	50.1
10°-20°	1962.5	33.0
20°-30°	527.9	8.9
30°-40°	131.2	2.2
40°-50°	97.9	1.6
50°-60°	90.0	1.5
60°-70°	82.5	1.4
70°-80°	53.4	0.9
80°-90°	20.5	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°	5949.4	100.0
0°-180°	5949.4	100.0



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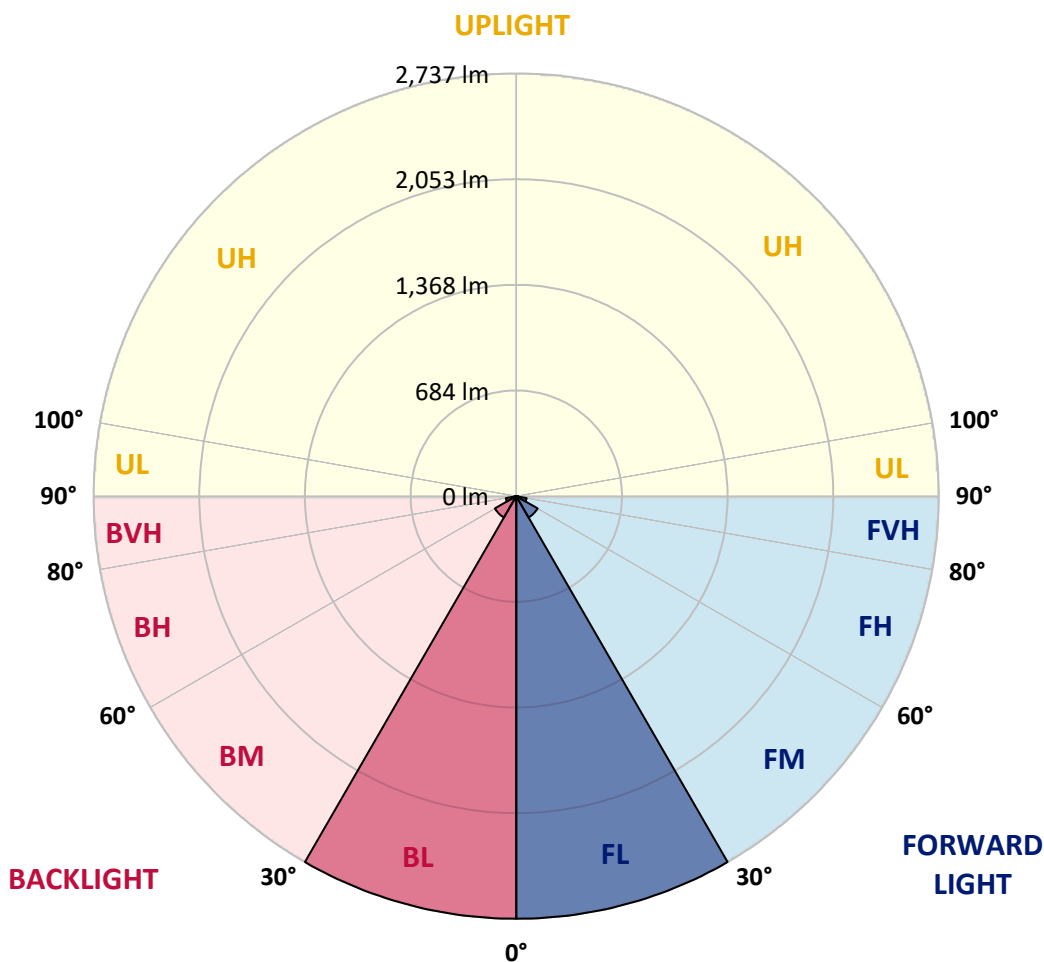
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2737.0	46.0			
FM (30°-60°)	159.5	2.7			
FH (60°-80°)	68.0	1.1			G0/660
FVH (80°-90°)	10.2	0.2			G1/100
BL (0°-30°)	2737.0	46.0	B4/5000		
BM (30°-60°)	159.5	2.7	B0/220		
BH (60°-80°)	68.0	1.1	B0/110		G0/660
BVH (80°-90°)	10.2	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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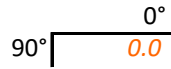
CANDELA DISTRIBUTION (FULL):

	0°
0°	40071.9
1°	39915.1
2°	39520.0
3°	38847.1
4°	37866.8
5°	36501.9
6°	34596.4
7°	31988.3
8°	28681.1
9°	24780.8
10°	20825.3
11°	16576.3
12°	12632.2
13°	9334.6
14°	6985.9
15°	5471.1
17.5°	3667.3
20°	2651.0
22.5°	1747.8
25°	1025.9
27.5°	575.6
30°	321.5
32.5°	234.8
35°	198.9
37.5°	175.2
40°	154.2
42.5°	138.4
45°	124.4
47.5°	114.8
50°	106.9
52.5°	102.5
55°	99.9
57.5°	98.1
60°	95.5
62.5°	90.2
65°	84.1
67.5°	77.1
70°	68.3
72.5°	58.7
75°	49.9
77.5°	42.1
80°	35.0
82.5°	28.0
85°	21.0
87.5°	8.8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)