

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: P525626

Luminaire Tested: **IFLD-S-SA3A-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525626
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

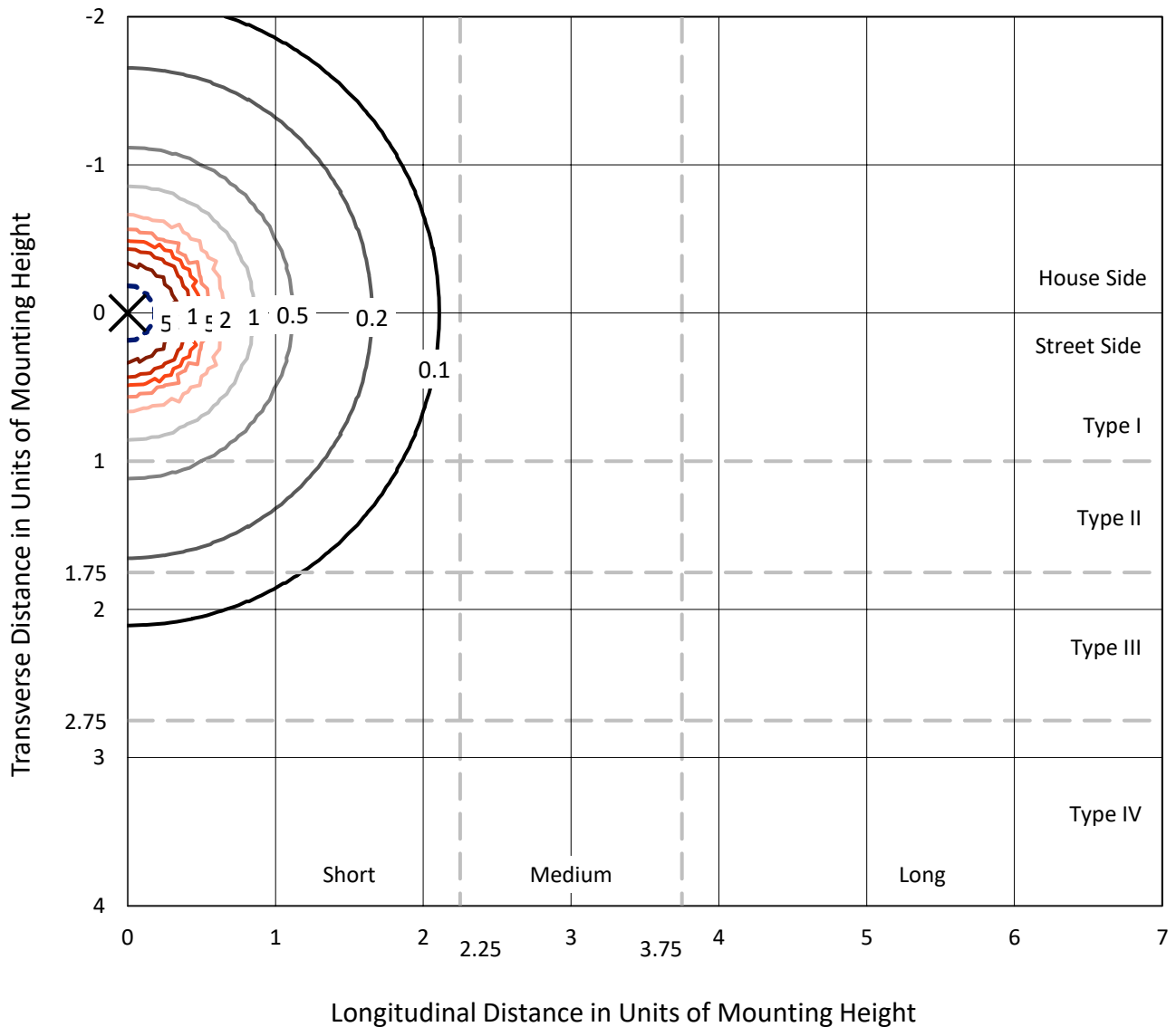
Lumens per Lamp: N/A
Luminaire Lumens: 8866.3 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

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

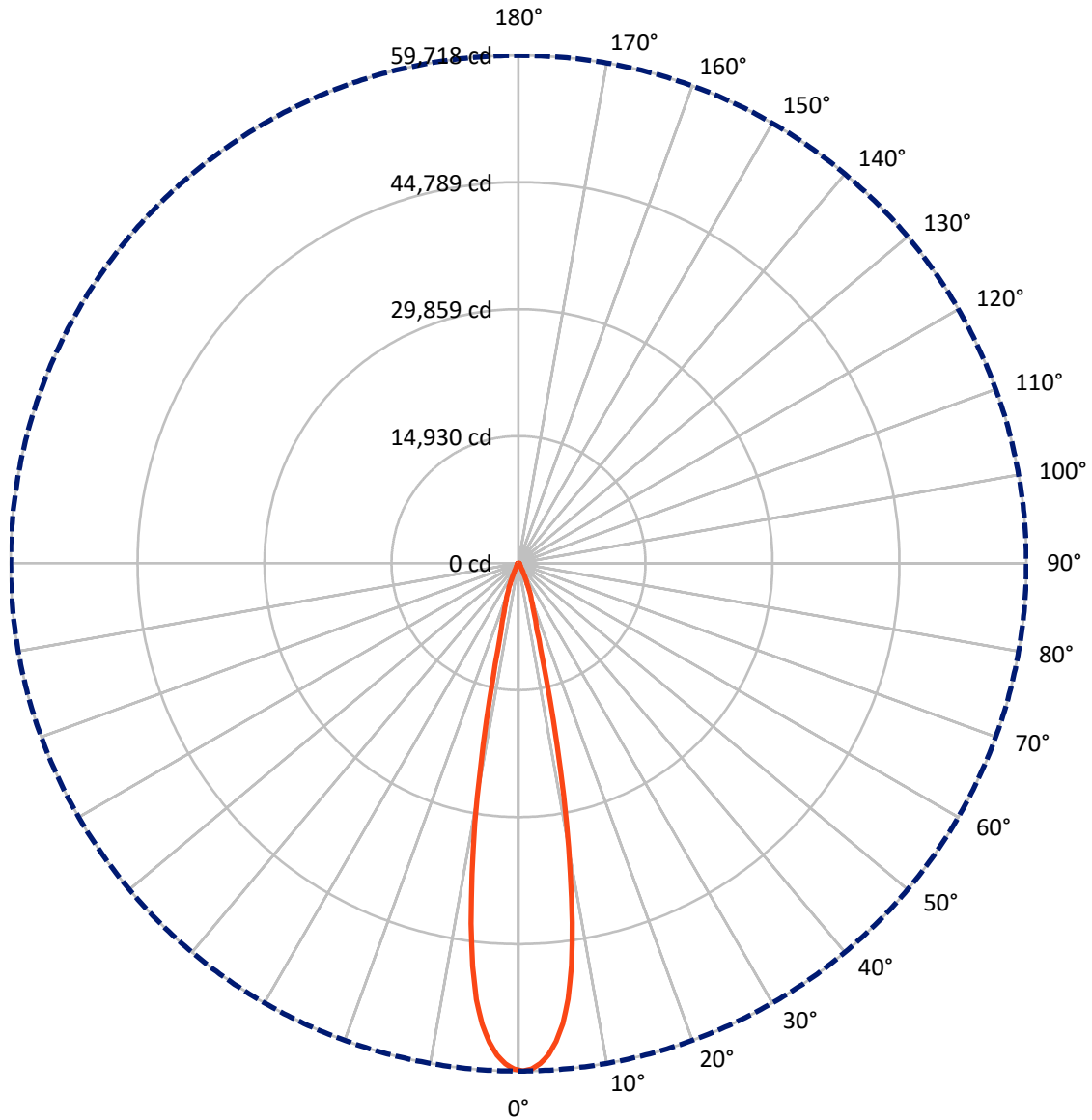
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 597.2 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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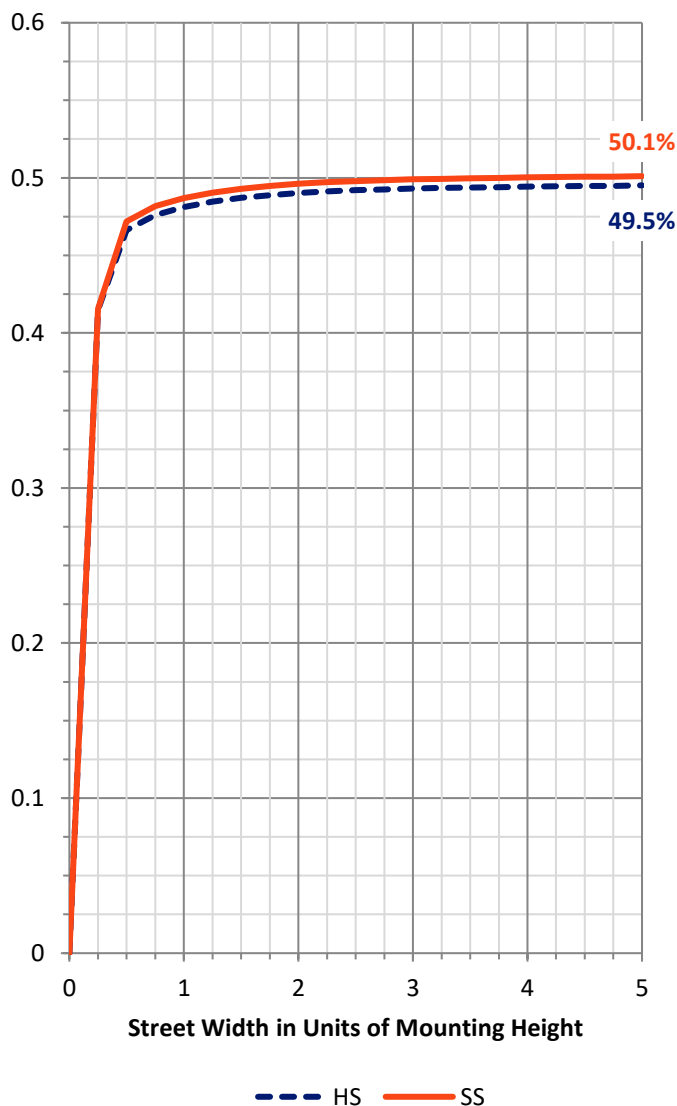
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4433.1	0.0	4433.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4433.1	0.0	4433.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8866.3	0.0	8866.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4446.3	50.1
10°-20°	2924.7	33.0
20°-30°	786.7	8.9
30°-40°	195.5	2.2
40°-50°	145.9	1.6
50°-60°	134.1	1.5
60°-70°	123.0	1.4
70°-80°	79.6	0.9
80°-90°	30.6	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°	8866.3	100.0
0°-180°	8866.3	100.0

Coefficient of Utilization



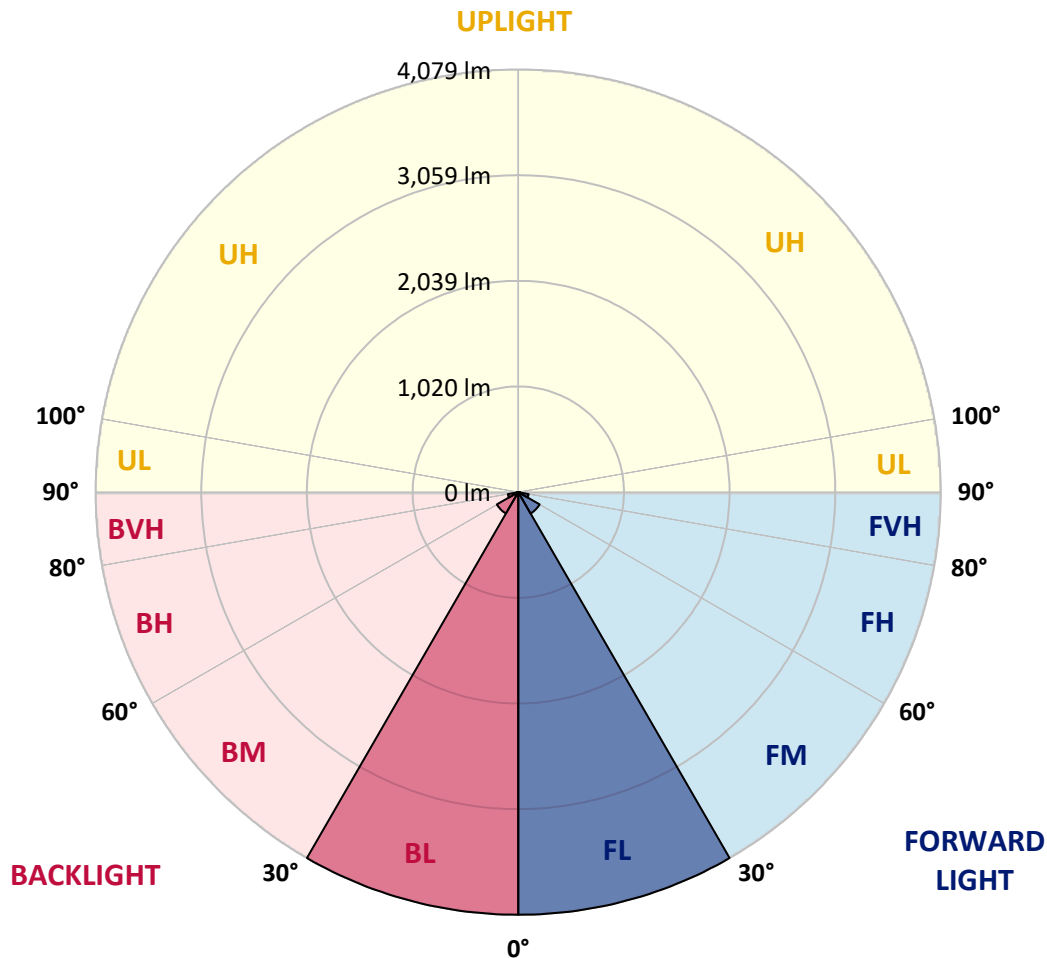
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4078.8	46.0			
FM (30°-60°)	237.7	2.7			
FH (60°-80°)	101.3	1.1			G0/660
FVH (80°-90°)	15.3	0.2			G1/100
BL (0°-30°)	4078.8	46.0	B4/5000		
BM (30°-60°)	237.7	2.7	B1/1000		
BH (60°-80°)	101.3	1.1	B0/110		G0/660
BVH (80°-90°)	15.3	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°	59718.1
1°	59484.4
2°	58895.5
3°	57892.8
4°	56431.9
5°	54397.7
6°	51558.1
7°	47671.3
8°	42742.7
9°	36930.1
10°	31035.4
11°	24703.2
12°	18825.4
13°	13911.1
14°	10410.8
15°	8153.5
17.5°	5465.2
20°	3950.7
22.5°	2604.7
25°	1528.9
27.5°	857.8
30°	479.2
32.5°	349.9
35°	296.4
37.5°	261.1
40°	229.8
42.5°	206.3
45°	185.4
47.5°	171.0
50°	159.3
52.5°	152.8
55°	148.8
57.5°	146.2
60°	142.3
62.5°	134.5
65°	125.3
67.5°	114.9
70°	101.8
72.5°	87.5
75°	74.4
77.5°	62.7
80°	52.2
82.5°	41.8
85°	31.3
87.5°	13.1



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)