

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: P525767

Luminaire Tested: **IFLD-M-SA4E-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525767
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

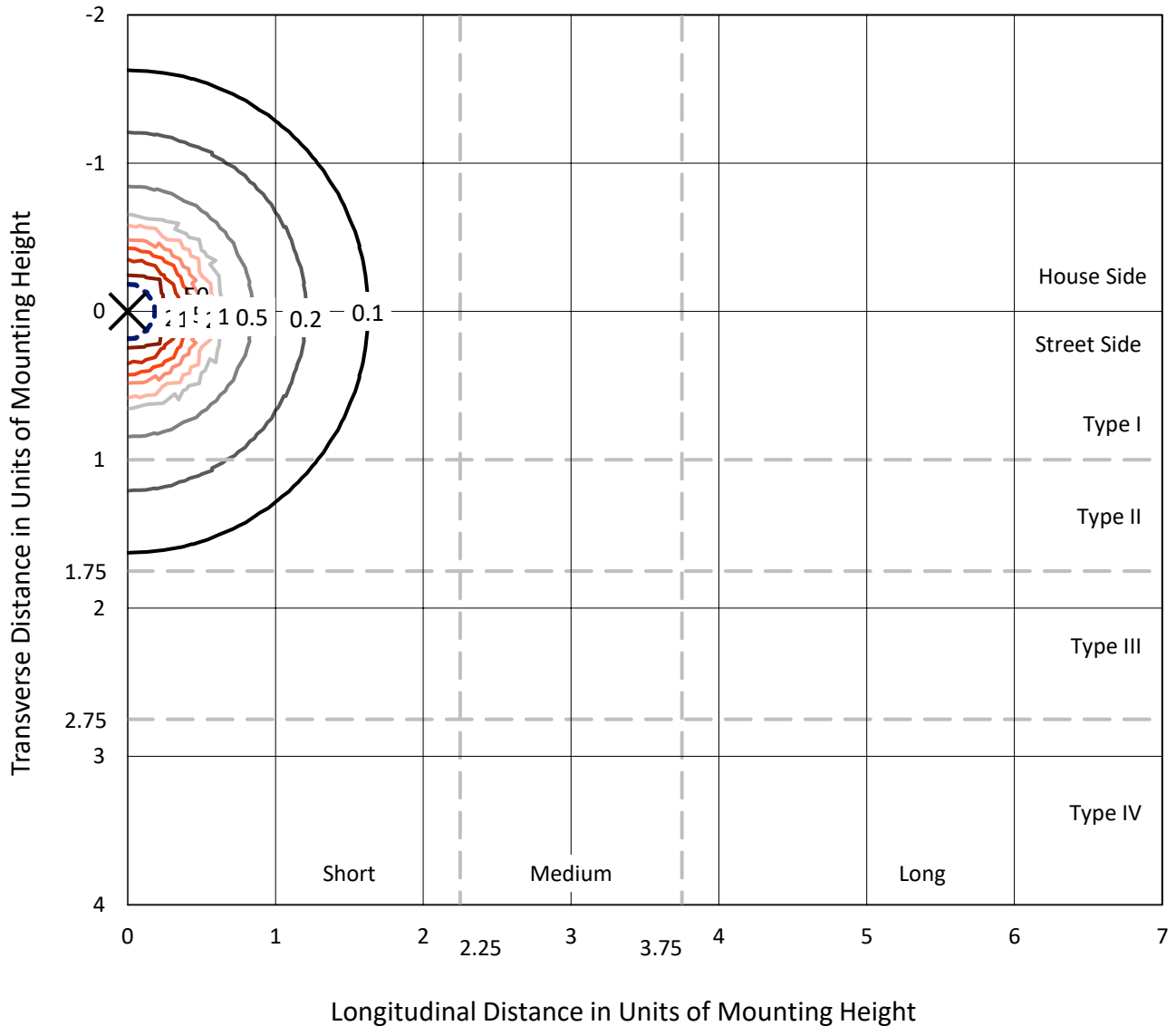
Lumens per Lamp: N/A
Luminaire Lumens: 26630.4 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 314.8
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

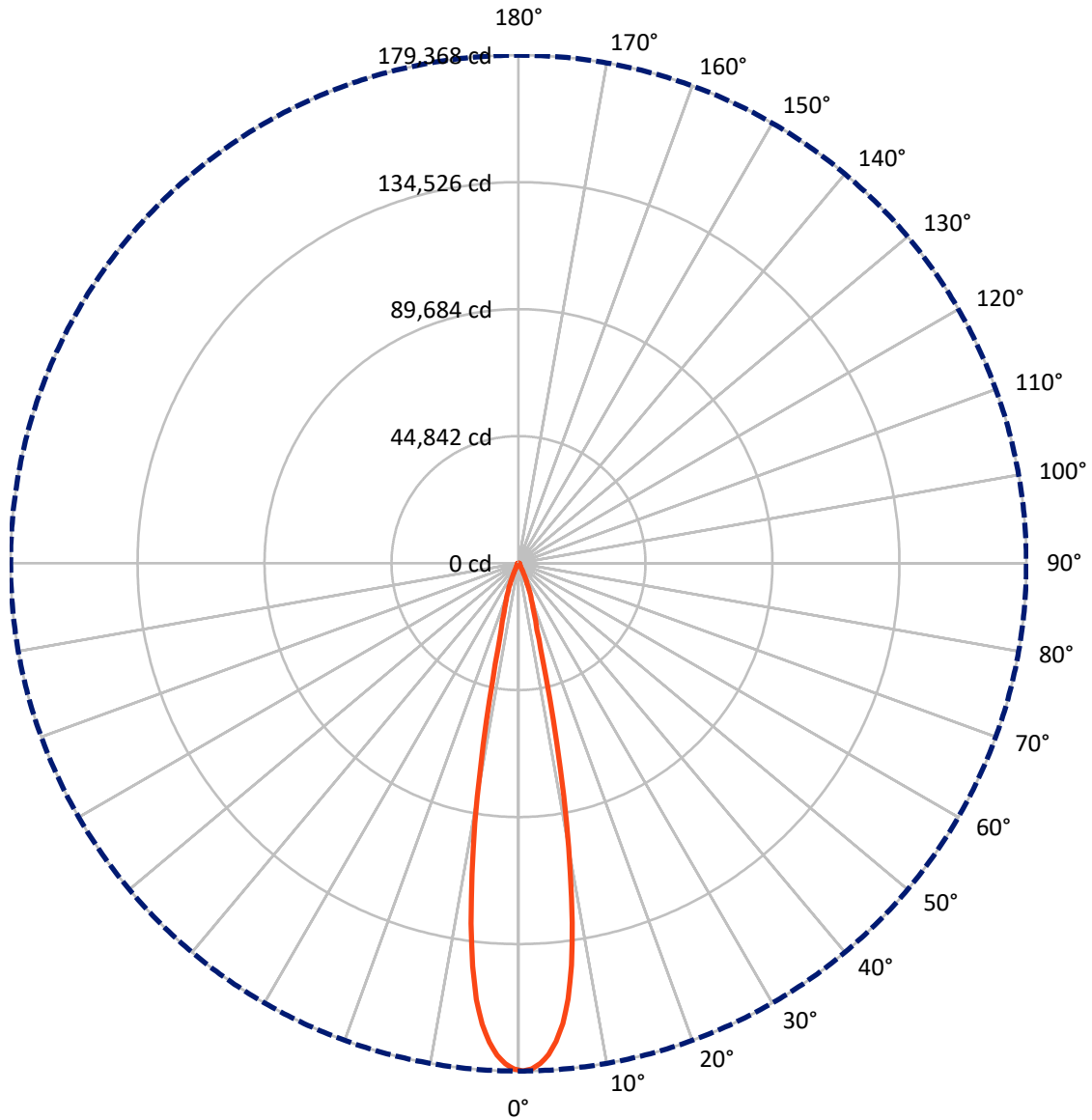
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 287 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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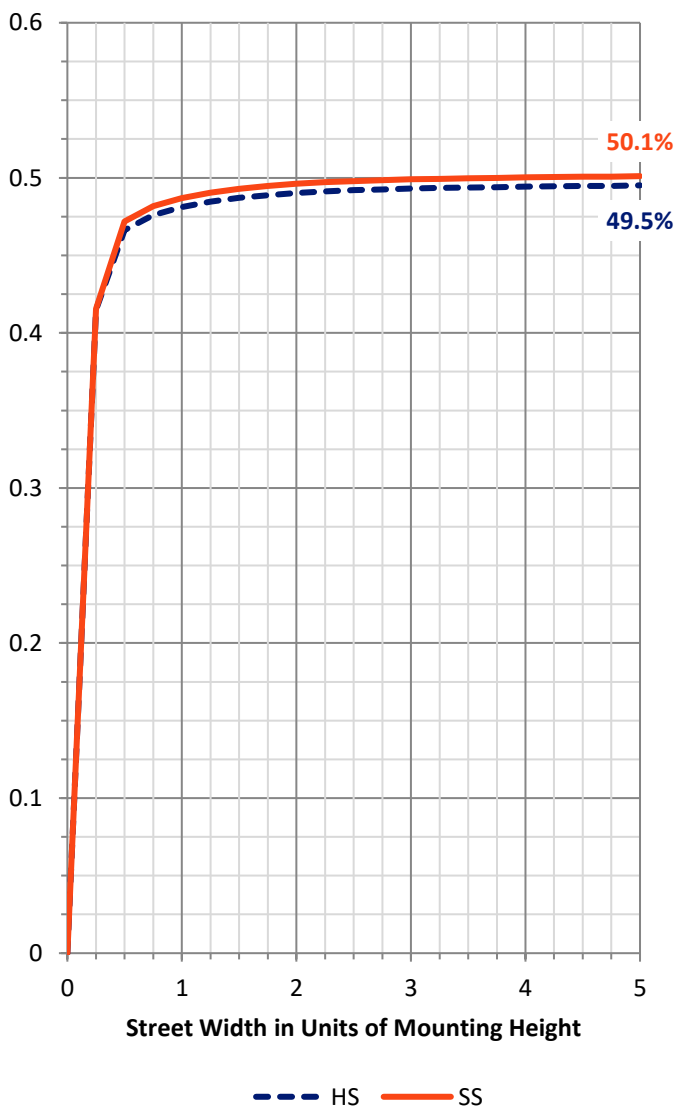
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13315.2	0.0	13315.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13315.2	0.0	13315.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	26630.4	0.0	26630.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13354.8	50.1
10°-20°	8784.4	33.0
20°-30°	2362.8	8.9
30°-40°	587.1	2.2
40°-50°	438.1	1.6
50°-60°	402.9	1.5
60°-70°	369.5	1.4
70°-80°	239.0	0.9
80°-90°	91.8	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°	26630.4	100.0
0°-180°	26630.4	100.0

Coefficient of Utilization

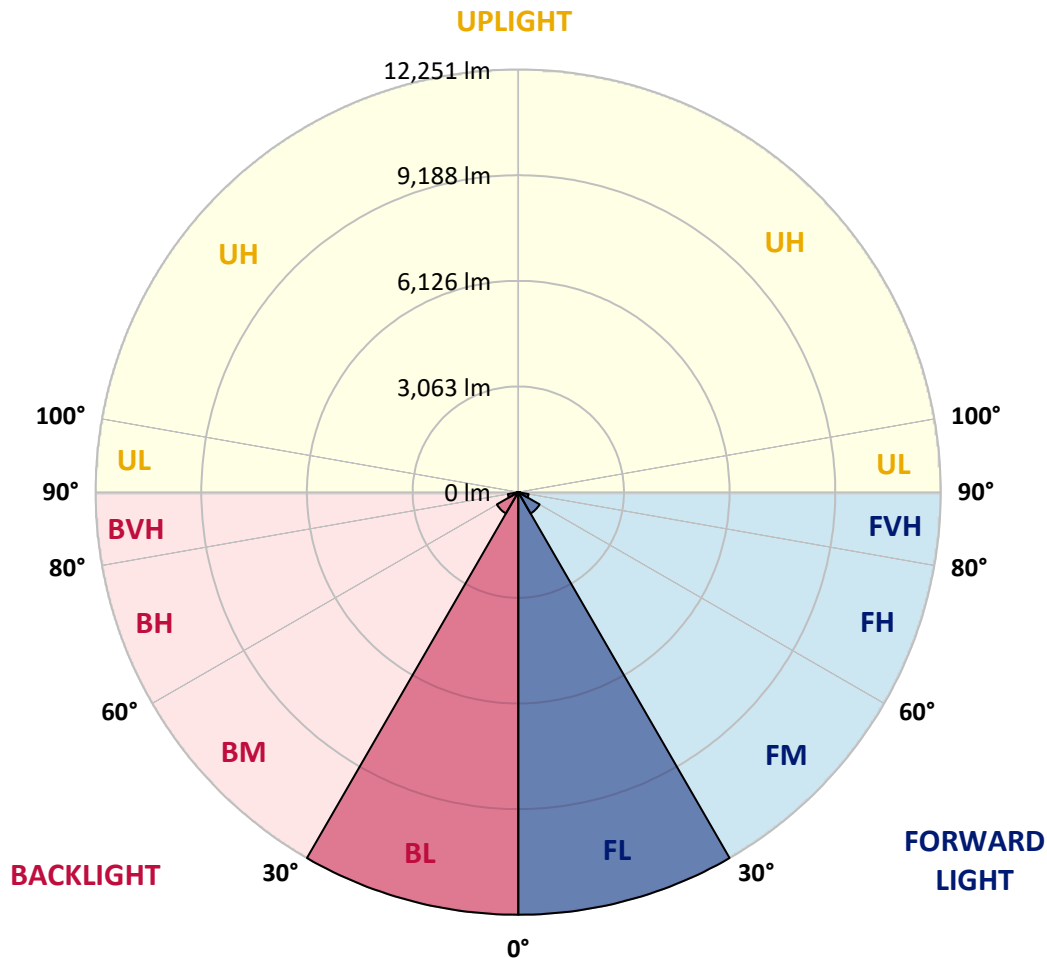


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12251.0	46.0			
FM (30°-60°)	714.0	2.7			
FH (60°-80°)	304.3	1.1			G0/660
FVH (80°-90°)	45.9	0.2			G1/100
BL (0°-30°)	12251.0	46.0	B5		
BM (30°-60°)	714.0	2.7	B1/1000		
BH (60°-80°)	304.3	1.1	B1/500		G0/660
BVH (80°-90°)	45.9	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°	179367.5
1°	178665.5
2°	176897.0
3°	173885.3
4°	169497.2
5°	163387.5
6°	154858.4
7°	143184.2
8°	128380.7
9°	110922.4
10°	93217.0
11°	74197.9
12°	56543.5
13°	41783.1
14°	31269.7
15°	24489.5
17.5°	16415.2
20°	11866.3
22.5°	7823.3
25°	4592.0
27.5°	2576.4
30°	1439.2
32.5°	1051.0
35°	890.2
37.5°	784.3
40°	690.2
42.5°	619.6
45°	556.8
47.5°	513.7
50°	478.4
52.5°	458.8
55°	447.0
57.5°	439.2
60°	427.4
62.5°	403.9
65°	376.5
67.5°	345.1
70°	305.9
72.5°	262.7
75°	223.5
77.5°	188.2
80°	156.9
82.5°	125.5
85°	94.1
87.5°	39.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)