

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: P525744

Luminaire Tested: **IFLD-S-SA3B-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525744
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

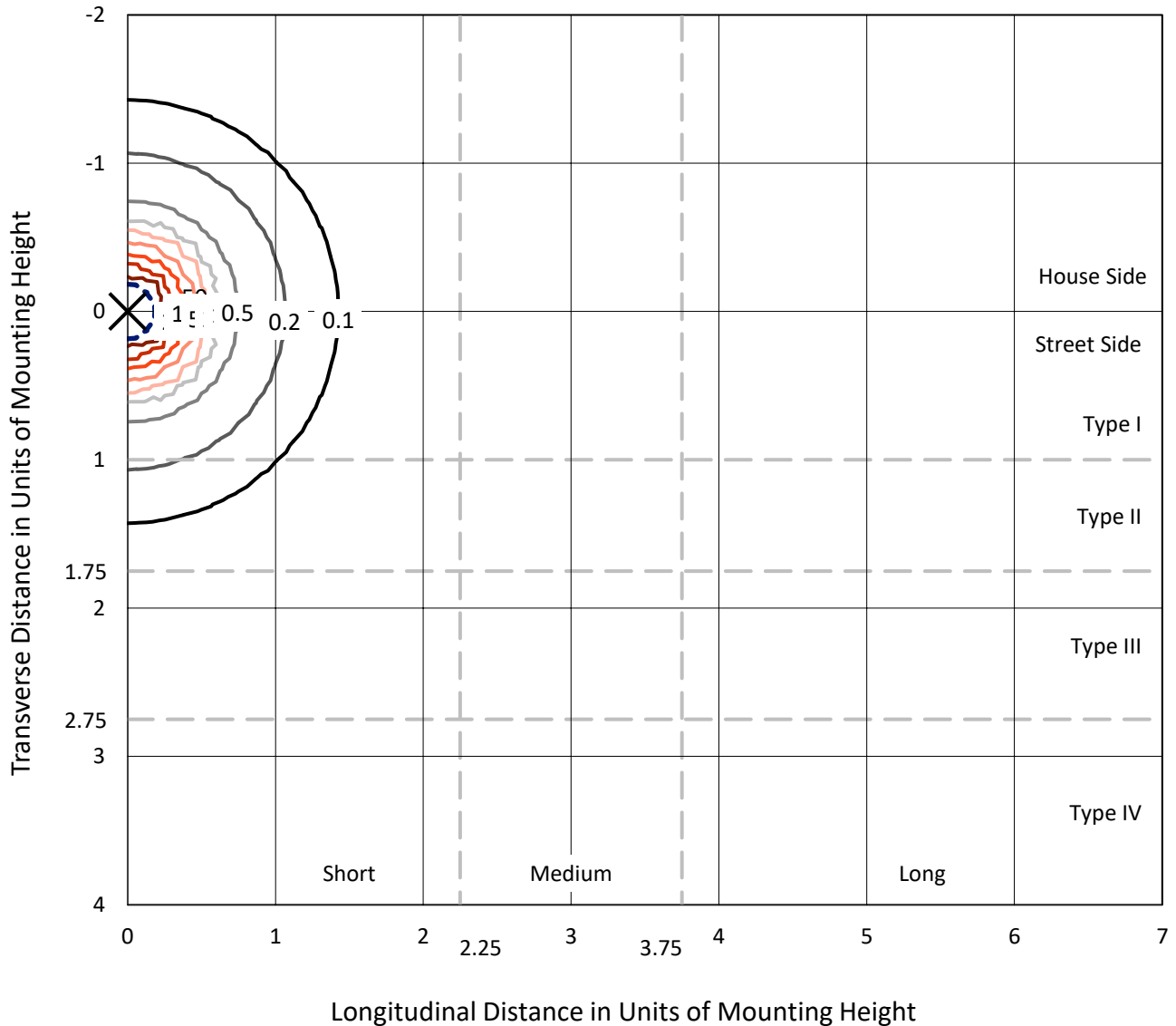
Lumens per Lamp: N/A
Luminaire Lumens: 12516.1 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 122.4
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

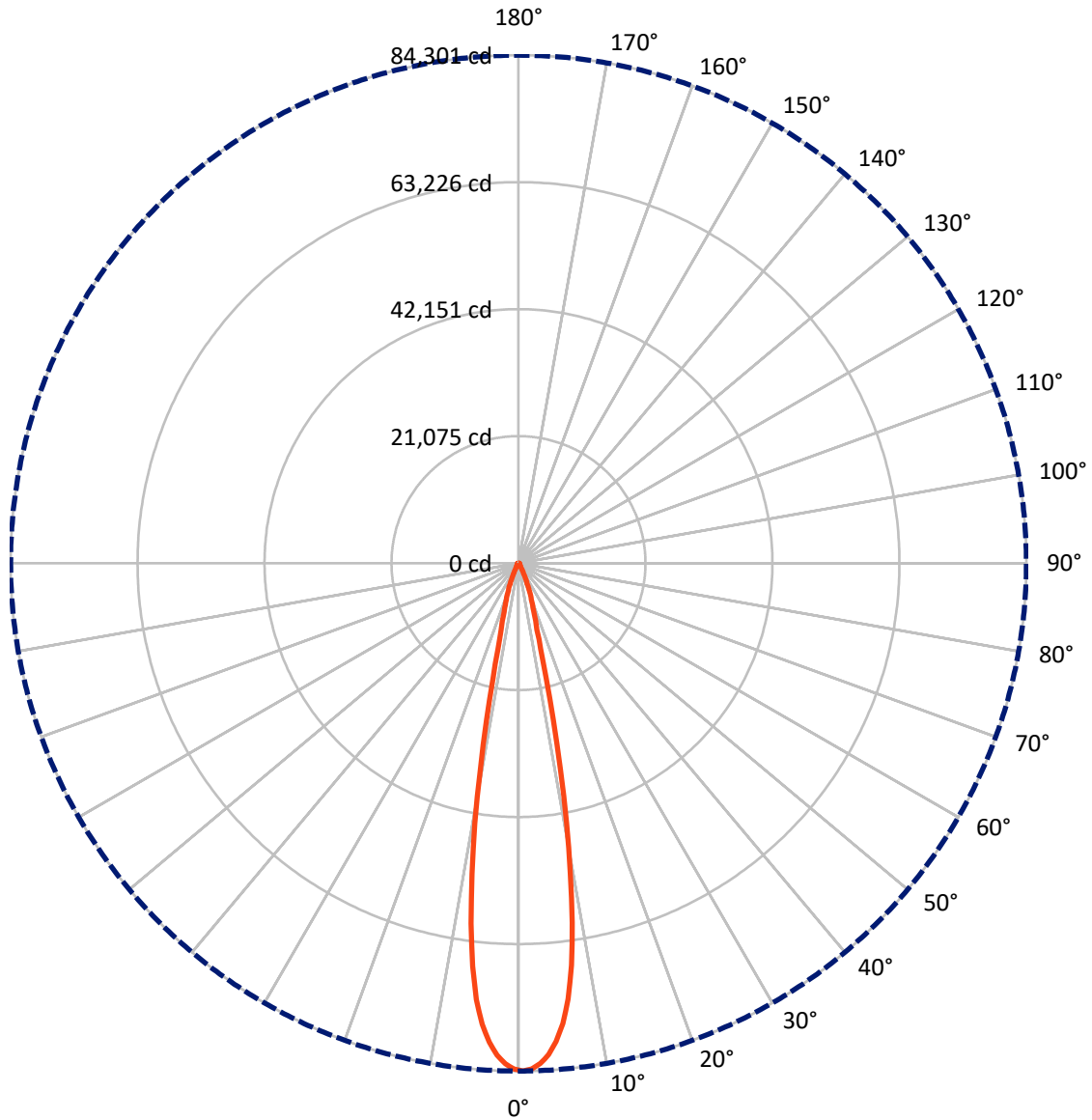
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 210.8 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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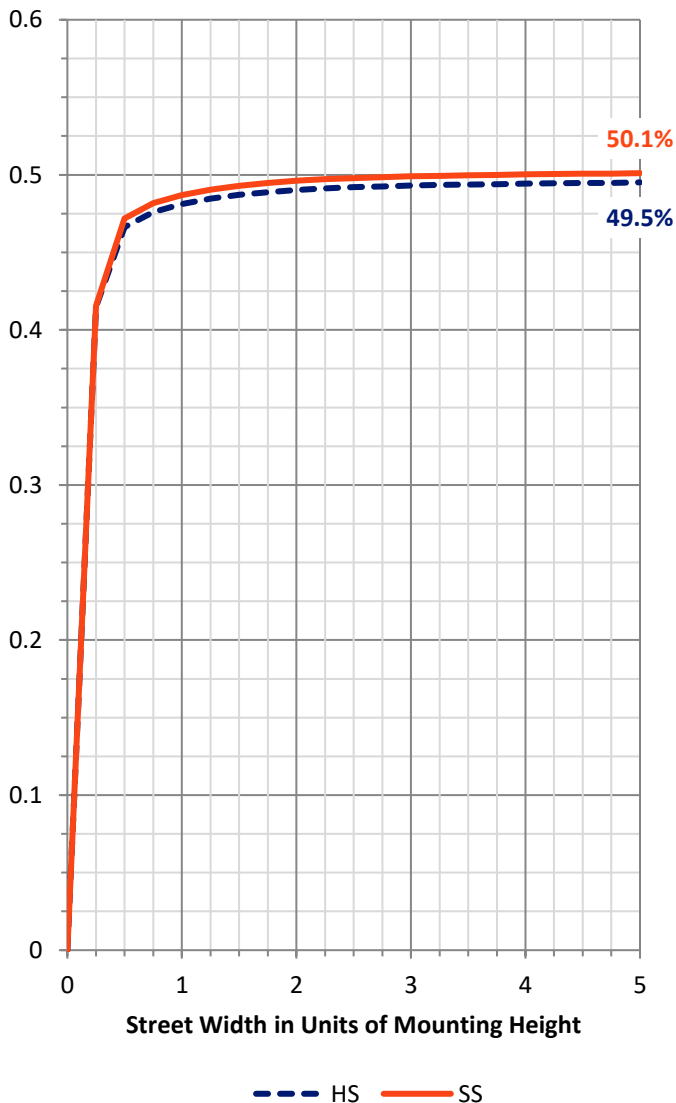
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6258.0	0.0	6258.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6258.0	0.0	6258.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12516.1	0.0	12516.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6276.7	50.1
10°-20°	4128.6	33.0
20°-30°	1110.5	8.9
30°-40°	275.9	2.2
40°-50°	205.9	1.6
50°-60°	189.3	1.5
60°-70°	173.7	1.4
70°-80°	112.4	0.9
80°-90°	43.1	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°	12516.1	100.0
0°-180°	12516.1	100.0



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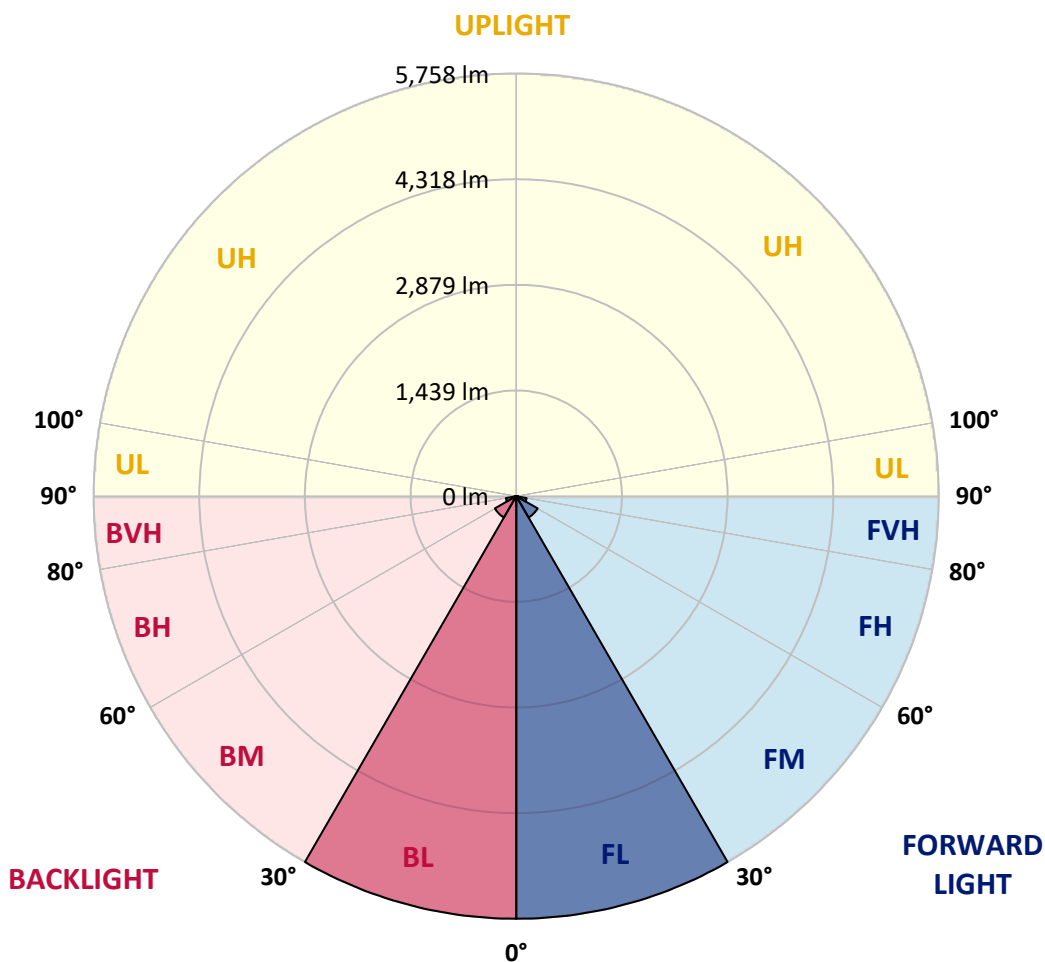
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5757.9	46.0			
FM (30°-60°)	335.6	2.7			
FH (60°-80°)	143.0	1.1			G0/660
FVH (80°-90°)	21.6	0.2			G1/100
BL (0°-30°)	5757.9	46.0	B5		
BM (30°-60°)	335.6	2.7	B1/1000		
BH (60°-80°)	143.0	1.1	B1/500		G0/660
BVH (80°-90°)	21.6	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°	84301.3
1°	83971.4
2°	83140.1
3°	81724.7
4°	79662.3
5°	76790.8
6°	72782.2
7°	67295.4
8°	60337.9
9°	52132.6
10°	43811.2
11°	34872.4
12°	26575.0
13°	19637.7
14°	14696.5
15°	11509.9
17.5°	7715.0
20°	5577.1
22.5°	3676.9
25°	2158.2
27.5°	1210.9
30°	676.4
32.5°	493.9
35°	418.4
37.5°	368.6
40°	324.4
42.5°	291.2
45°	261.7
47.5°	241.4
50°	224.9
52.5°	215.6
55°	210.1
57.5°	206.4
60°	200.9
62.5°	189.8
65°	176.9
67.5°	162.2
70°	143.8
72.5°	123.5
75°	105.1
77.5°	88.5
80°	73.7
82.5°	59.0
85°	44.2
87.5°	18.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)