

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: P525939

Luminaire Tested: **IFLD-S-SA3B-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525939
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-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

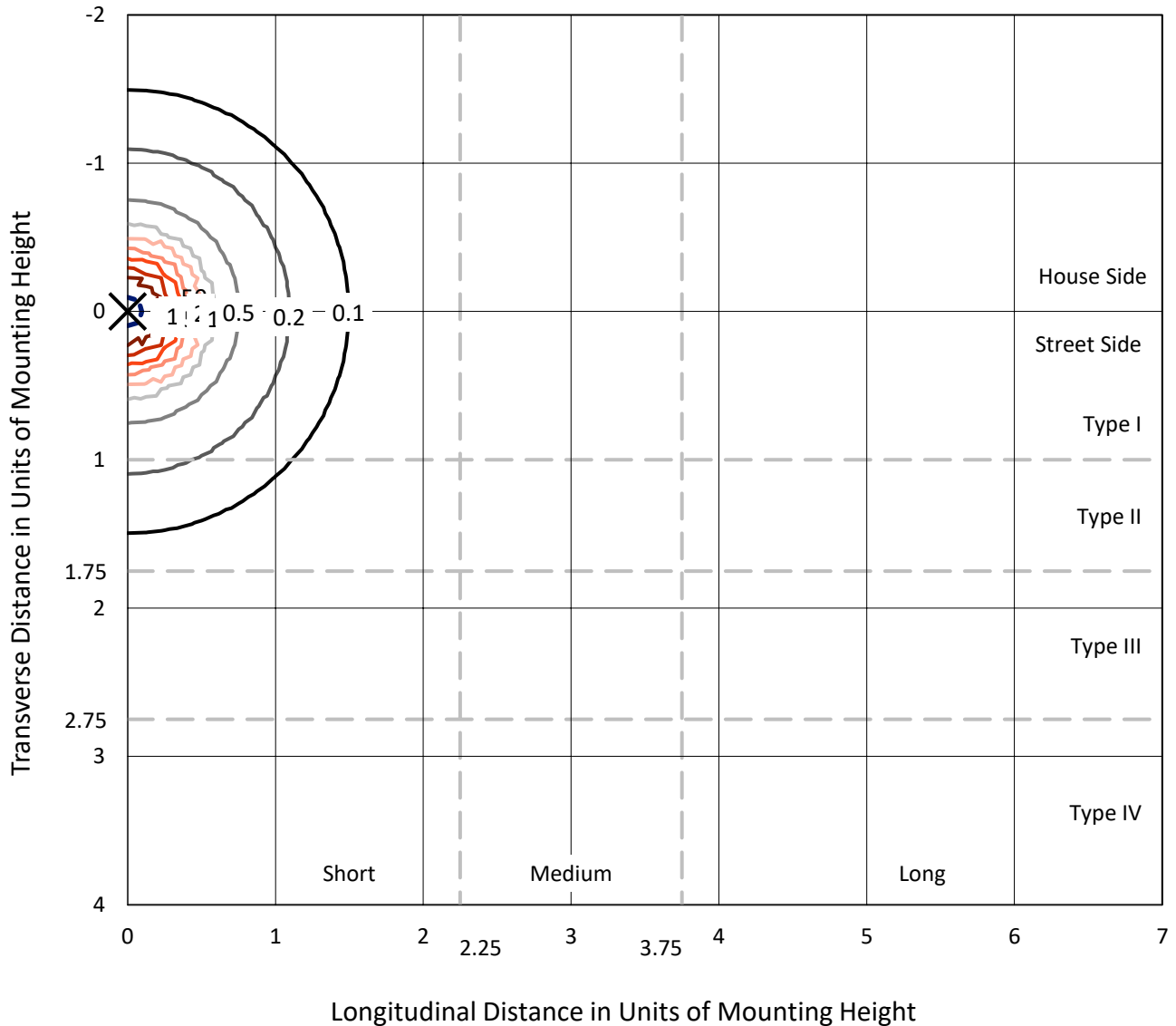
Lumens per Lamp: N/A
Luminaire Lumens: 12562.5 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

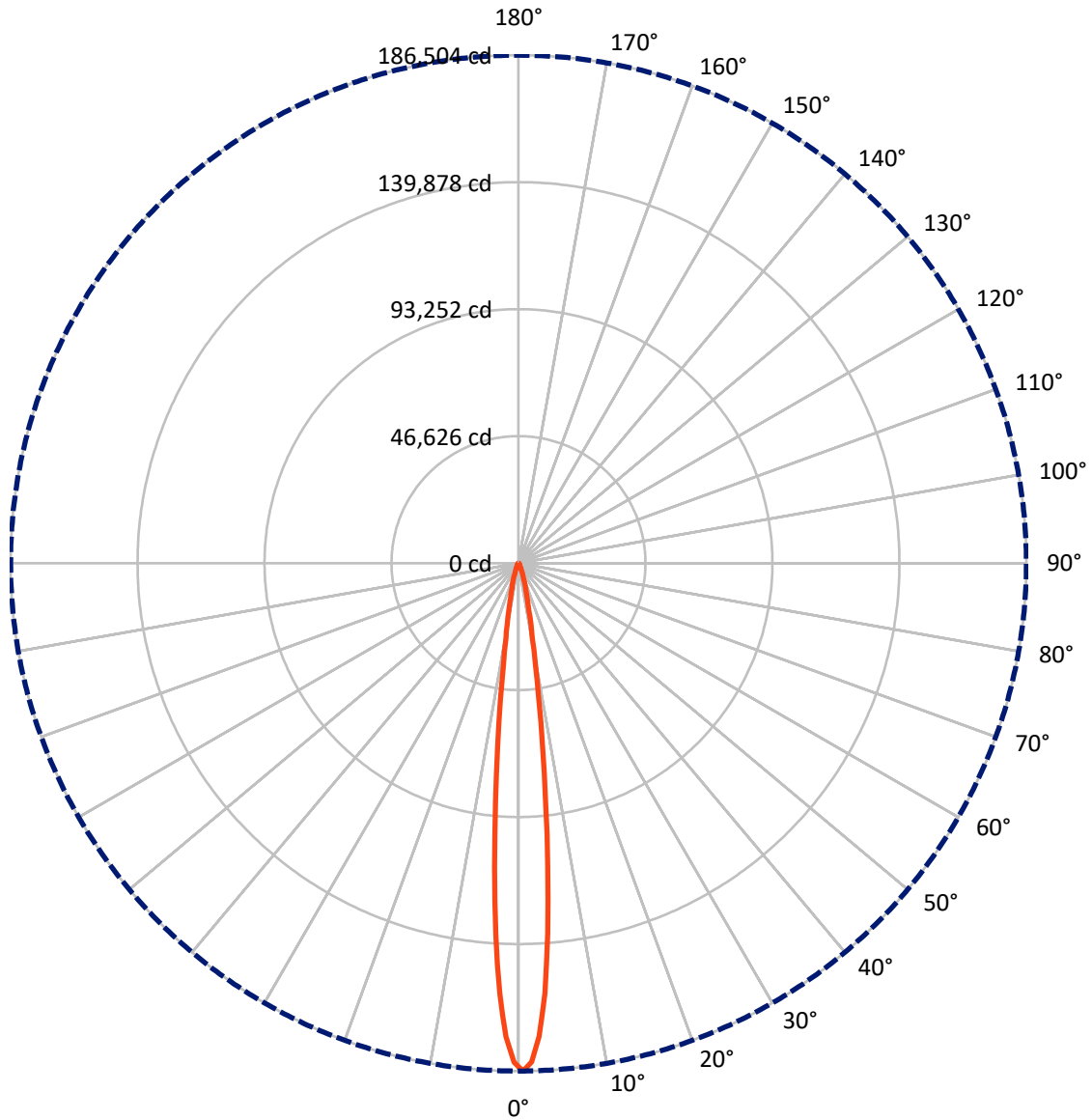
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 466.3 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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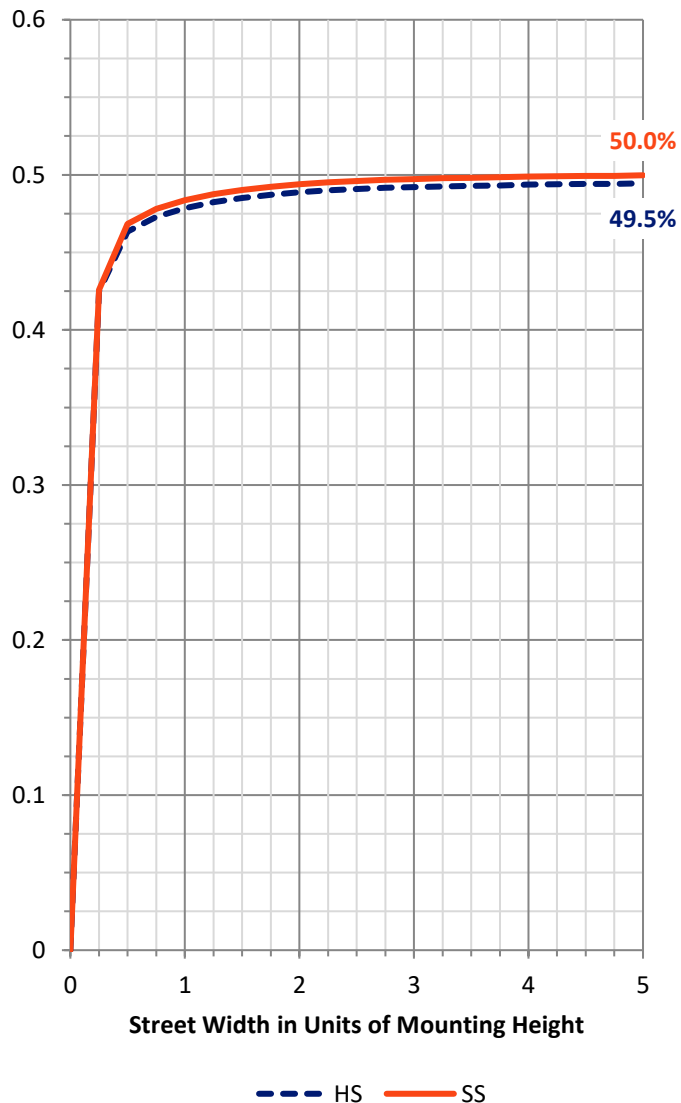
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6281.2	0.0	6281.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6281.2	0.0	6281.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	12562.5	0.0	12562.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7708.1	61.4
10°-20°	3067.2	24.4
20°-30°	707.2	5.6
30°-40°	268.5	2.1
40°-50°	219.1	1.7
50°-60°	210.4	1.7
60°-70°	201.6	1.6
70°-80°	133.4	1.1
80°-90°	46.9	0.4
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°	12562.5	100.0
0°-180°	12562.5	100.0

Coefficient of Utilization



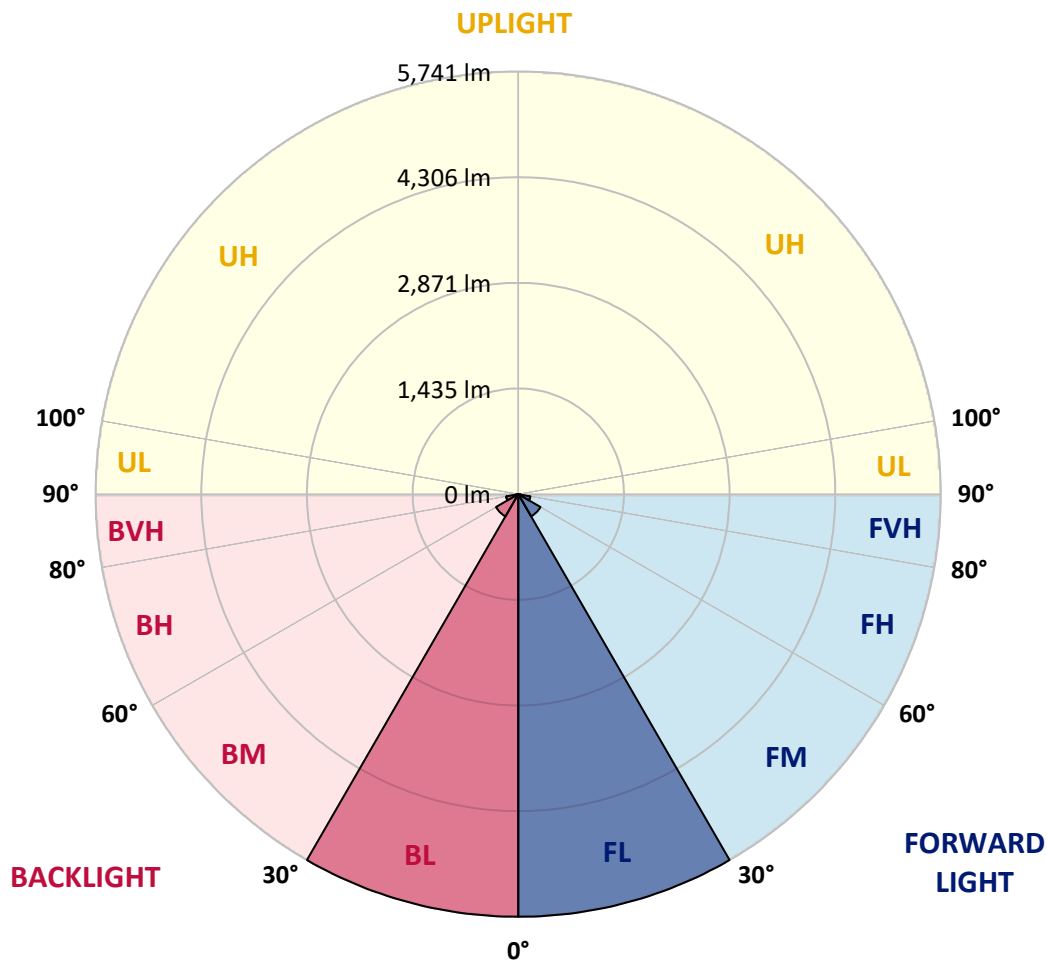
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5741.3	45.7			
FM (30°-60°)	349.0	2.8			
FH (60°-80°)	167.5	1.3			G0/660
FVH (80°-90°)	23.4	0.2			G1/100
BL (0°-30°)	5741.3	45.7	B5		
BM (30°-60°)	349.0	2.8	B1/1000		
BH (60°-80°)	167.5	1.3	B1/500		G0/660
BVH (80°-90°)	23.4	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°	186504.1
1°	183223.2
2°	174033.0
3°	158247.8
4°	136544.2
5°	112072.0
6°	88108.6
7°	67496.1
8°	50376.5
9°	37558.9
10°	28009.2
12.5°	15265.4
15°	9794.8
17.5°	6609.7
20°	3929.7
22.5°	2186.0
25°	1249.7
27.5°	792.6
30°	571.4
32.5°	466.3
35°	414.7
37.5°	385.2
40°	346.5
42.5°	307.8
45°	274.6
47.5°	258.0
50°	247.0
52.5°	239.6
55°	234.1
57.5°	230.4
60°	223.0
62.5°	217.5
65°	206.4
67.5°	191.7
70°	173.3
72.5°	149.3
75°	125.3
77.5°	103.2
80°	82.9
82.5°	64.5
85°	47.9
87.5°	18.4
90°	0.0

(END OF REPORT)