

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: P525968

Luminaire Tested: **IFLD-L-SA8A-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525968
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

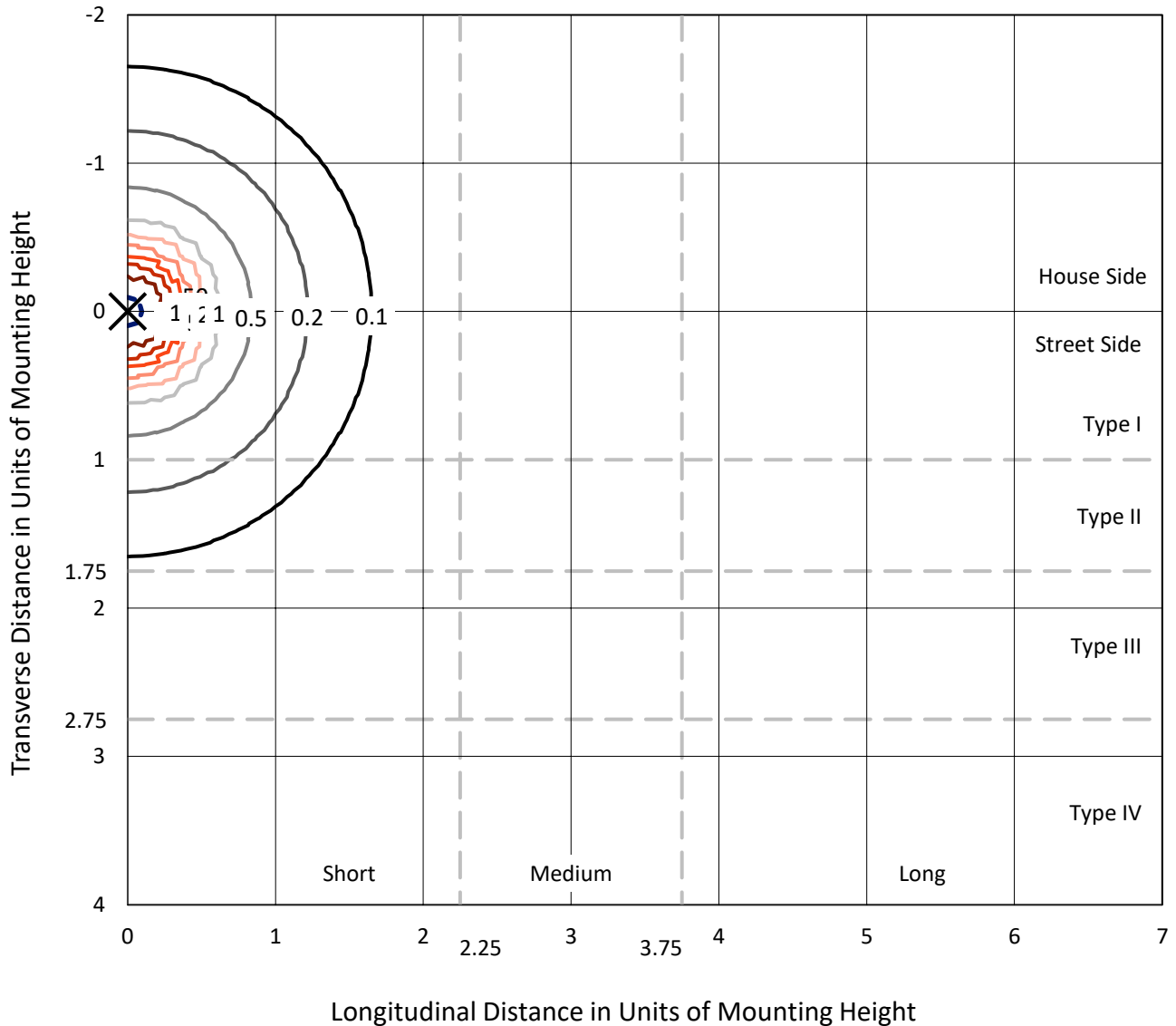
Lumens per Lamp: N/A
Luminaire Lumens: 24878 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 247.8
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

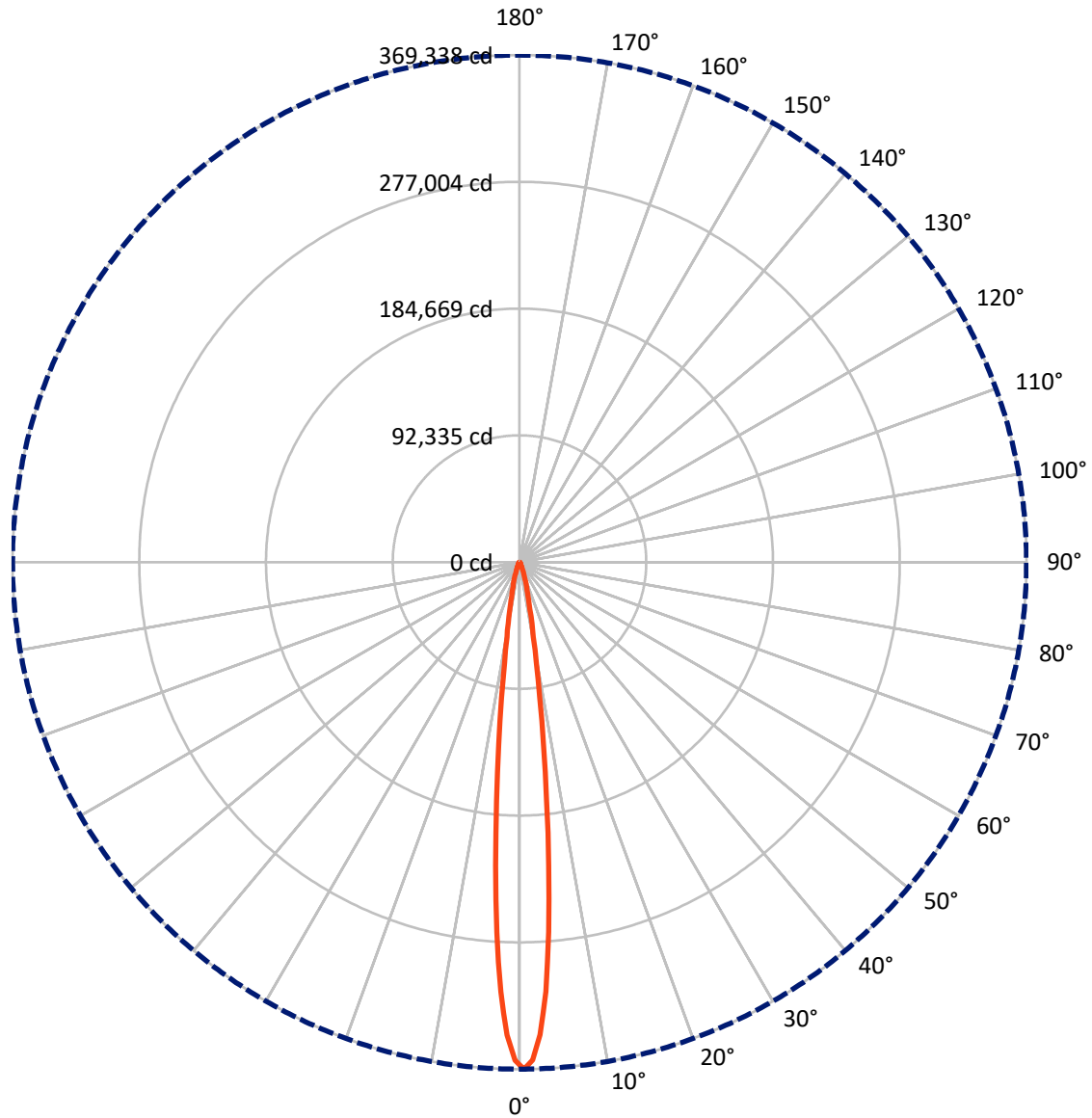
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 590.9 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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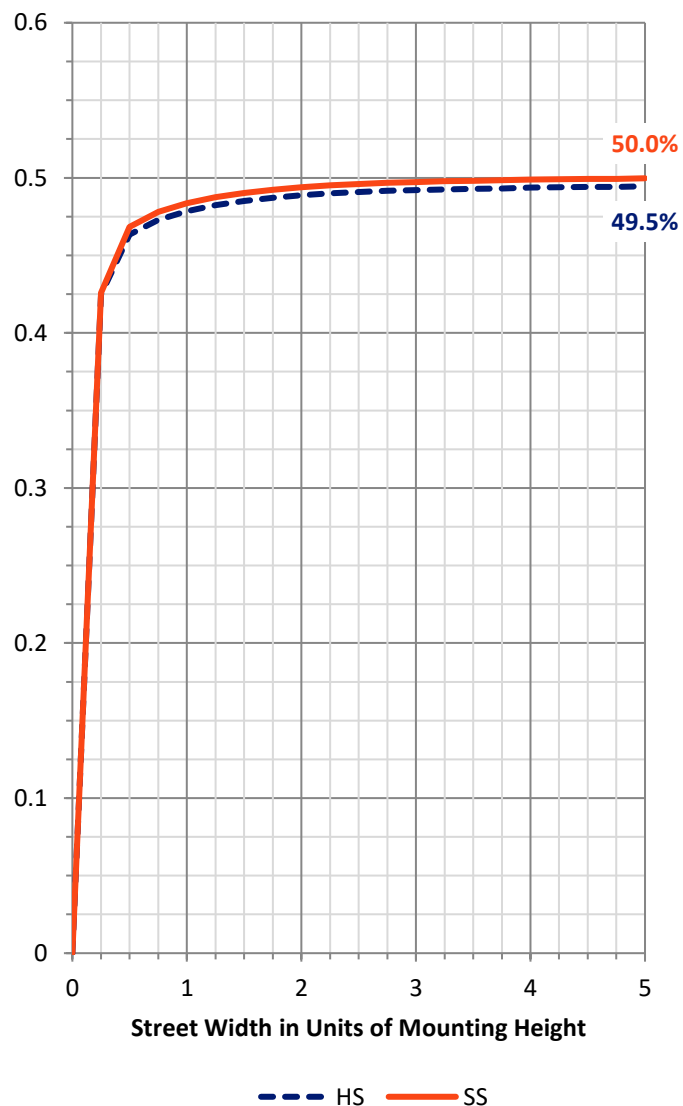
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12439.0	0.0	12439.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12439.0	0.0	12439.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	24878.0	0.0	24878.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15264.6	61.4
10°-20°	6074.0	24.4
20°-30°	1400.5	5.6
30°-40°	531.7	2.1
40°-50°	434.0	1.7
50°-60°	416.8	1.7
60°-70°	399.3	1.6
70°-80°	264.3	1.1
80°-90°	92.9	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°	24878.0	100.0
0°-180°	24878.0	100.0

Coefficient of Utilization



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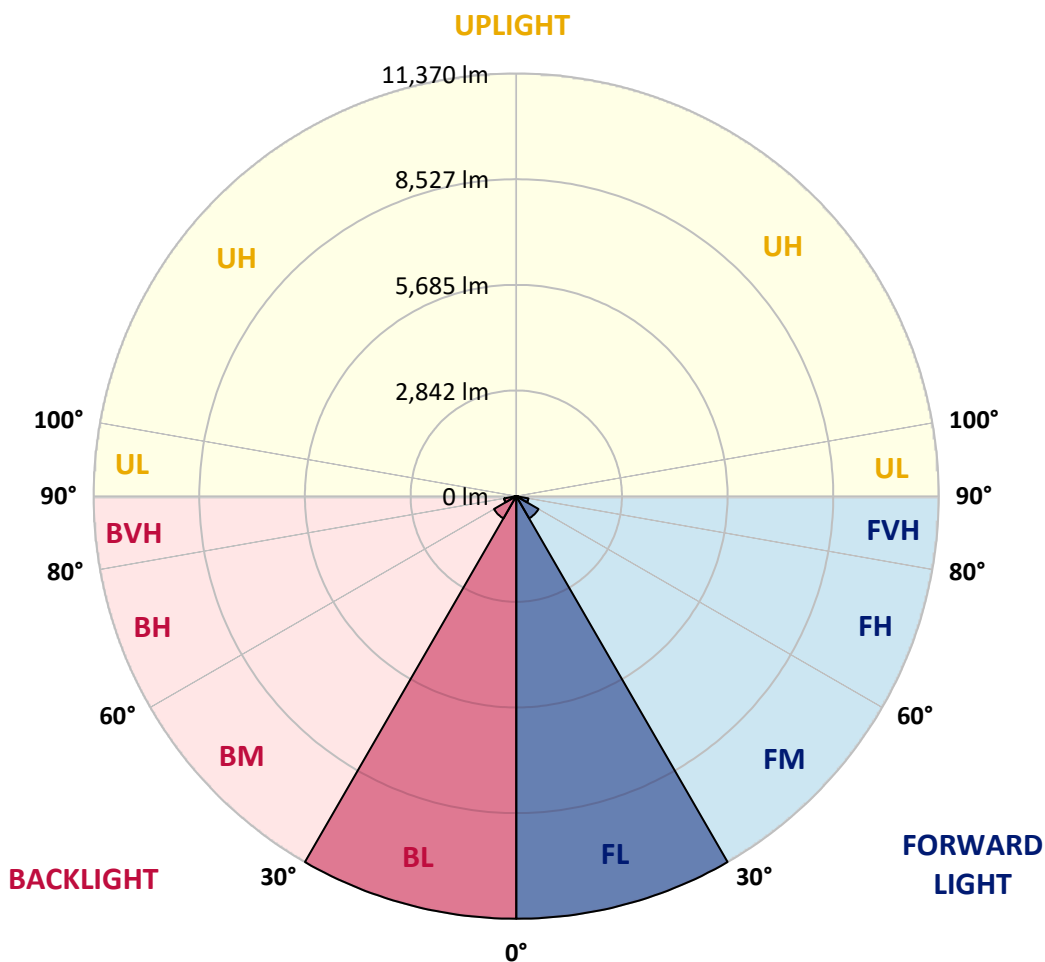
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	11369.6	45.7			
FM (30°-60°)	691.2	2.8			
FH (60°-80°)	331.8	1.3			G0/660
FVH (80°-90°)	46.4	0.2			G1/100
BL (0°-30°)	11369.6	45.7	B5		
BM (30°-60°)	691.2	2.8	B1/1000		
BH (60°-80°)	331.8	1.3	B1/500		G0/660
BVH (80°-90°)	46.4	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°	369338.4
1°	362841.2
2°	344641.6
3°	313381.9
4°	270401.6
5°	221938.8
6°	174483.5
7°	133664.1
8°	99761.7
9°	74378.7
10°	55467.4
12.5°	30230.4
15°	19396.8
17.5°	13089.4
20°	7782.1
22.5°	4329.1
25°	2474.8
27.5°	1569.6
30°	1131.5
32.5°	923.5
35°	821.3
37.5°	762.9
40°	686.2
42.5°	609.6
45°	543.9
47.5°	511.0
50°	489.1
52.5°	474.5
55°	463.6
57.5°	456.3
60°	441.7
62.5°	430.7
65°	408.8
67.5°	379.6
70°	343.1
72.5°	295.7
75°	248.2
77.5°	204.4
80°	164.3
82.5°	127.8
85°	94.9
87.5°	36.5
90°	0.0

(END OF REPORT)