

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: P525729

Luminaire Tested: **IFLD-L-SA7A-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525729
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

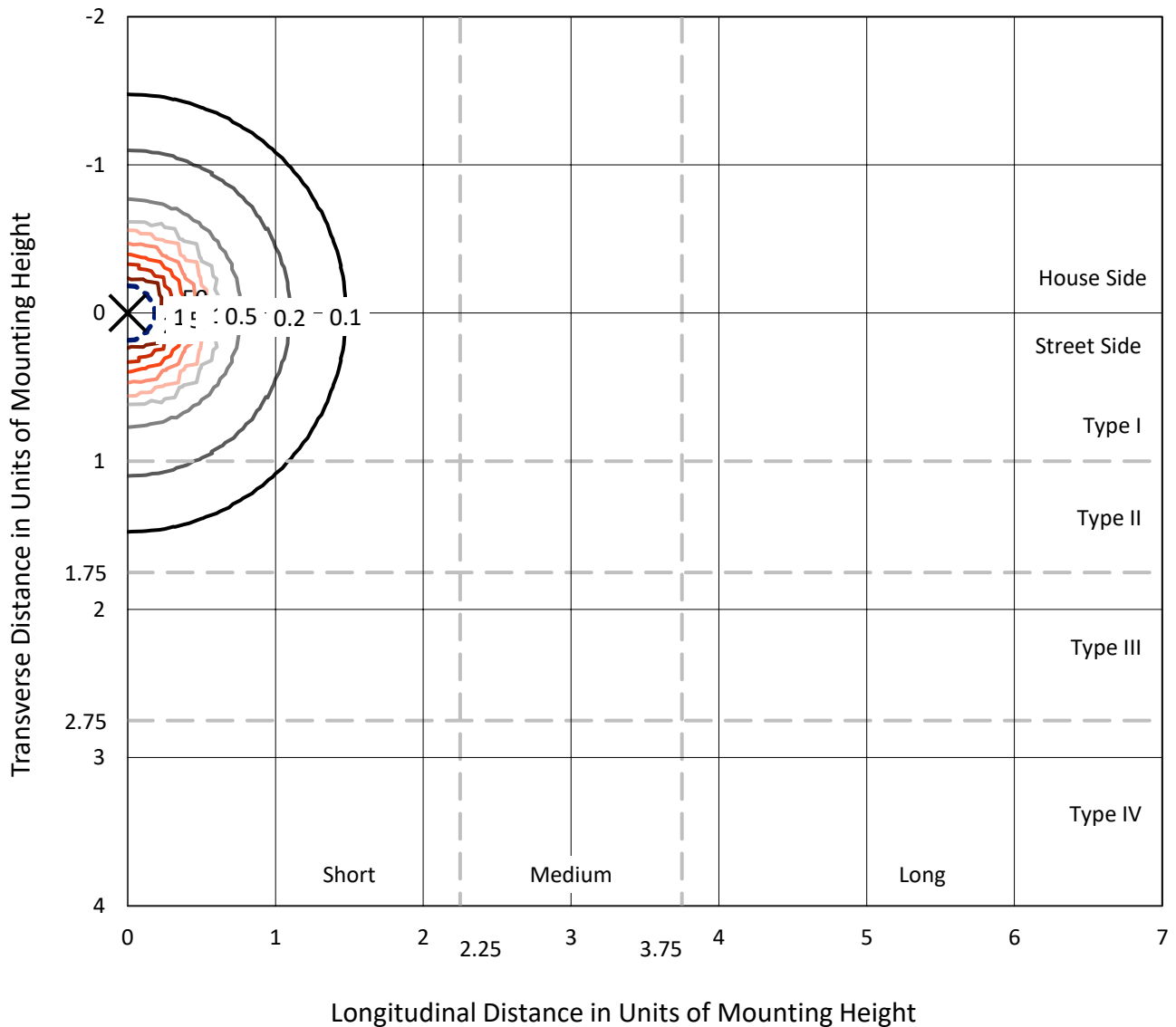
Lumens per Lamp: N/A
Luminaire Lumens: 21156.1 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 217.6
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

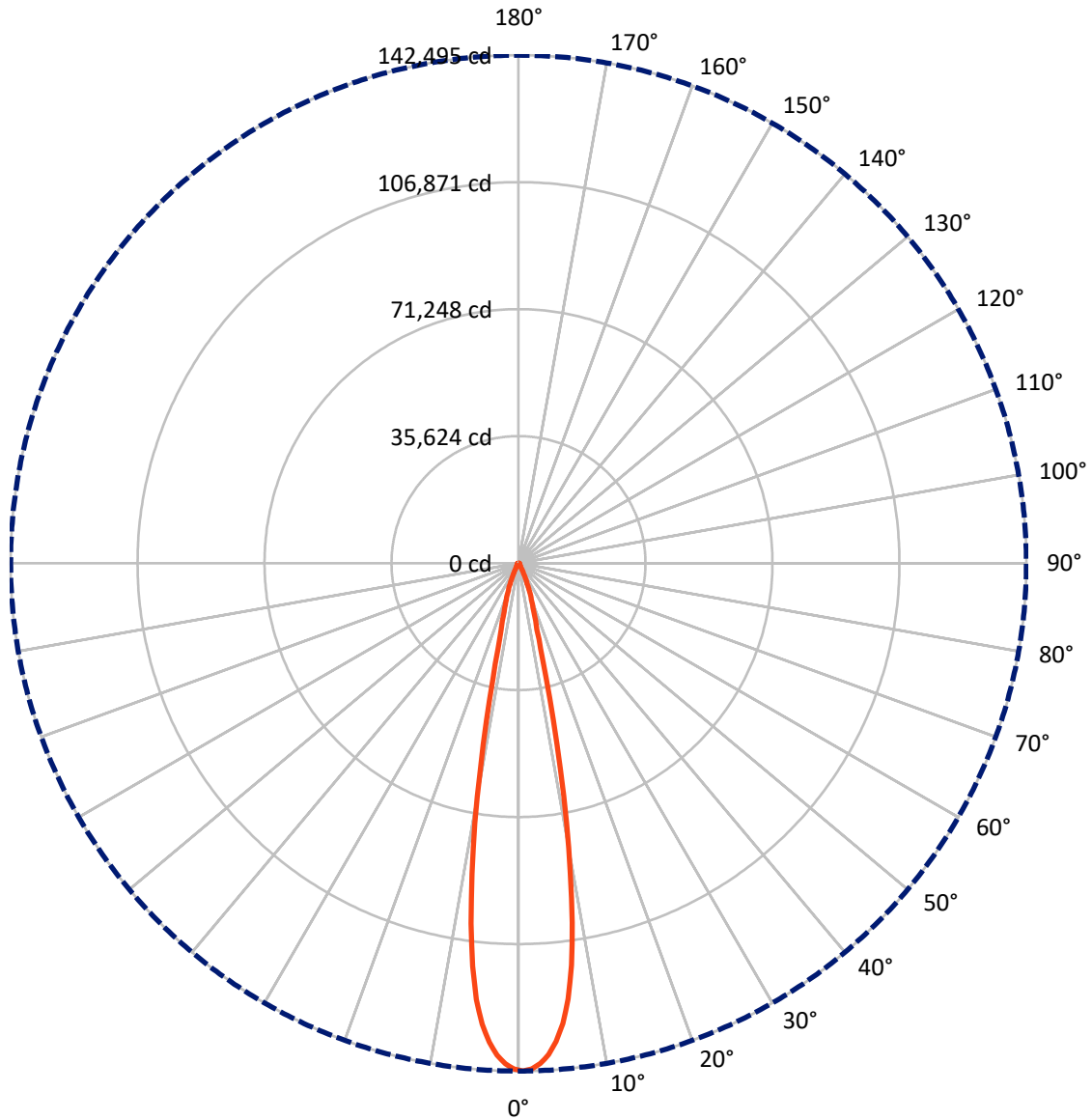
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 228 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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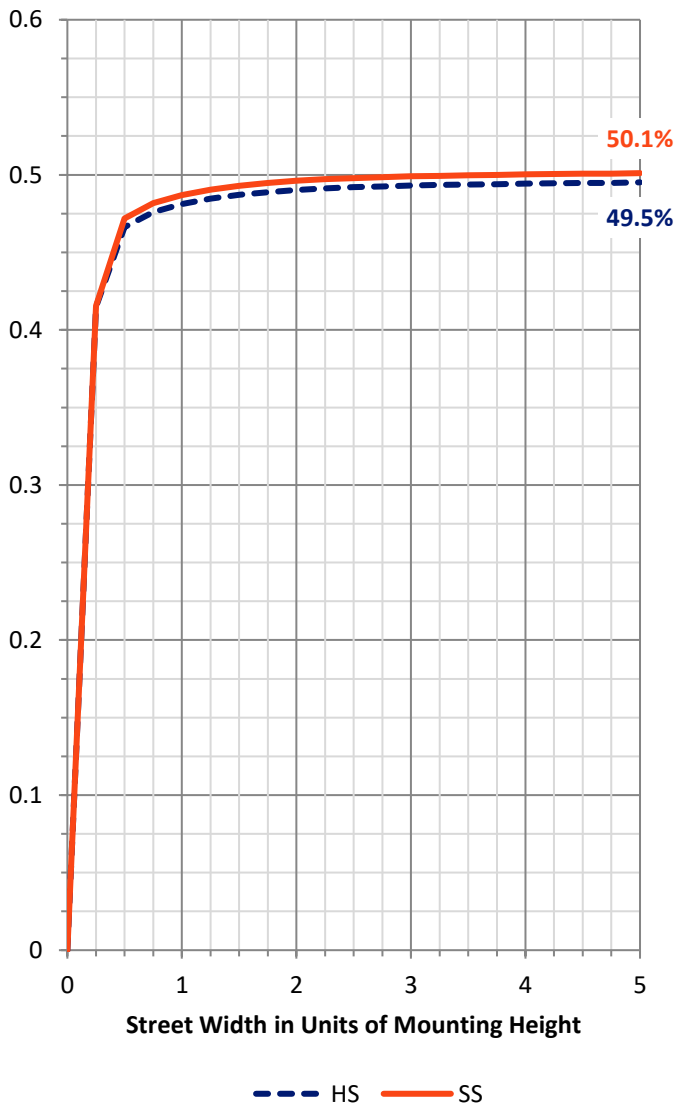
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10578.0	0.0	10578.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10578.0	0.0	10578.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	21156.1	0.0	21156.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10609.5	50.1
10°-20°	6978.6	33.0
20°-30°	1877.1	8.9
30°-40°	466.4	2.2
40°-50°	348.1	1.6
50°-60°	320.0	1.5
60°-70°	293.6	1.4
70°-80°	189.9	0.9
80°-90°	72.9	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°	21156.1	100.0
0°-180°	21156.1	100.0



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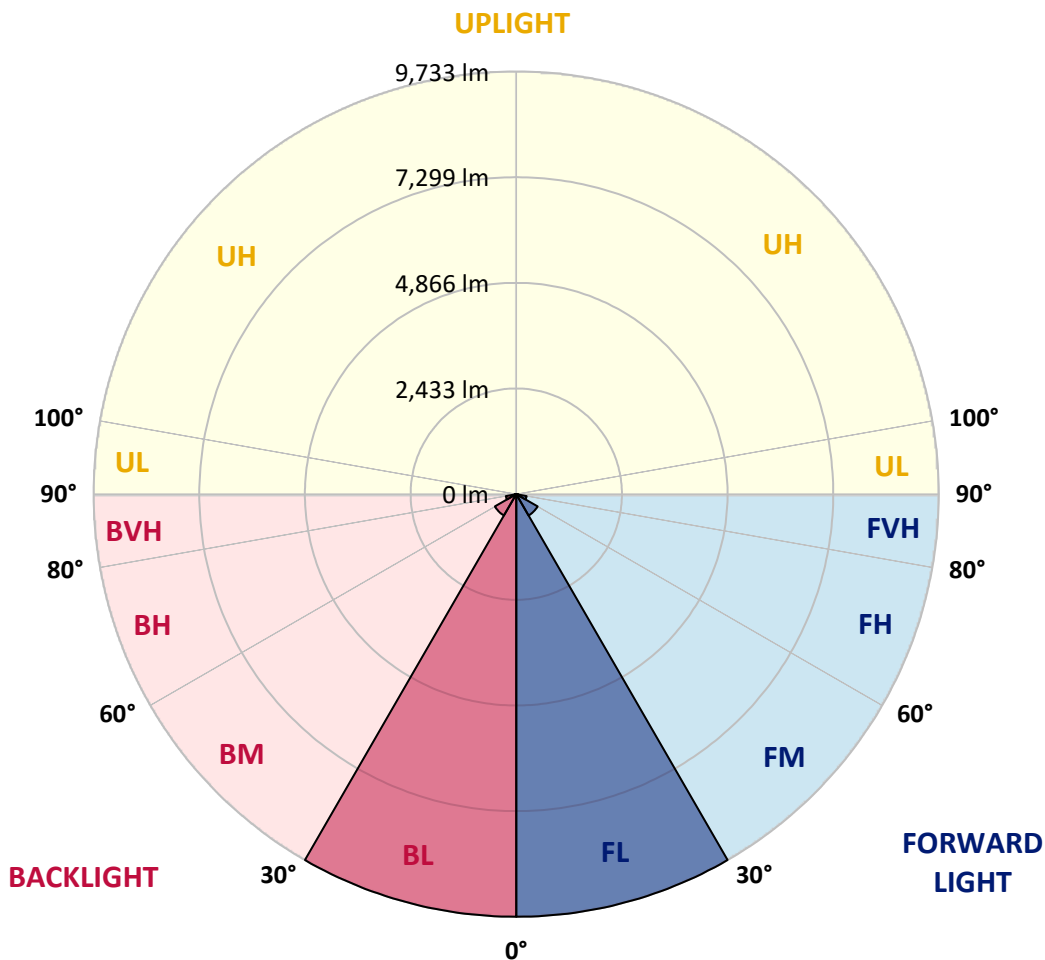
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9732.6	46.0			
FM (30°-60°)	567.3	2.7			
FH (60°-80°)	241.7	1.1			G0/660
FVH (80°-90°)	36.5	0.2			G1/100
BL (0°-30°)	9732.6	46.0	B5		
BM (30°-60°)	567.3	2.7	B1/1000		
BH (60°-80°)	241.7	1.1	B1/500		G0/660
BVH (80°-90°)	36.5	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°	142495.1
1°	141937.5
2°	140532.4
3°	138139.9
4°	134653.8
5°	129800.1
6°	123024.3
7°	113750.0
8°	101989.6
9°	88120.2
10°	74054.5
11°	58945.1
12°	44919.9
13°	33193.8
14°	24841.6
15°	19455.2
17.5°	13040.8
20°	9427.0
22.5°	6215.1
25°	3648.0
27.5°	2046.8
30°	1143.3
32.5°	834.9
35°	707.2
37.5°	623.1
40°	548.3
42.5°	492.2
45°	442.4
47.5°	408.1
50°	380.1
52.5°	364.5
55°	355.1
57.5°	348.9
60°	339.6
62.5°	320.9
65°	299.1
67.5°	274.1
70°	243.0
72.5°	208.7
75°	177.6
77.5°	149.5
80°	124.6
82.5°	99.7
85°	74.8
87.5°	31.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)