

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: P525656

Luminaire Tested: **IFLD-L-SA8A-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525656
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

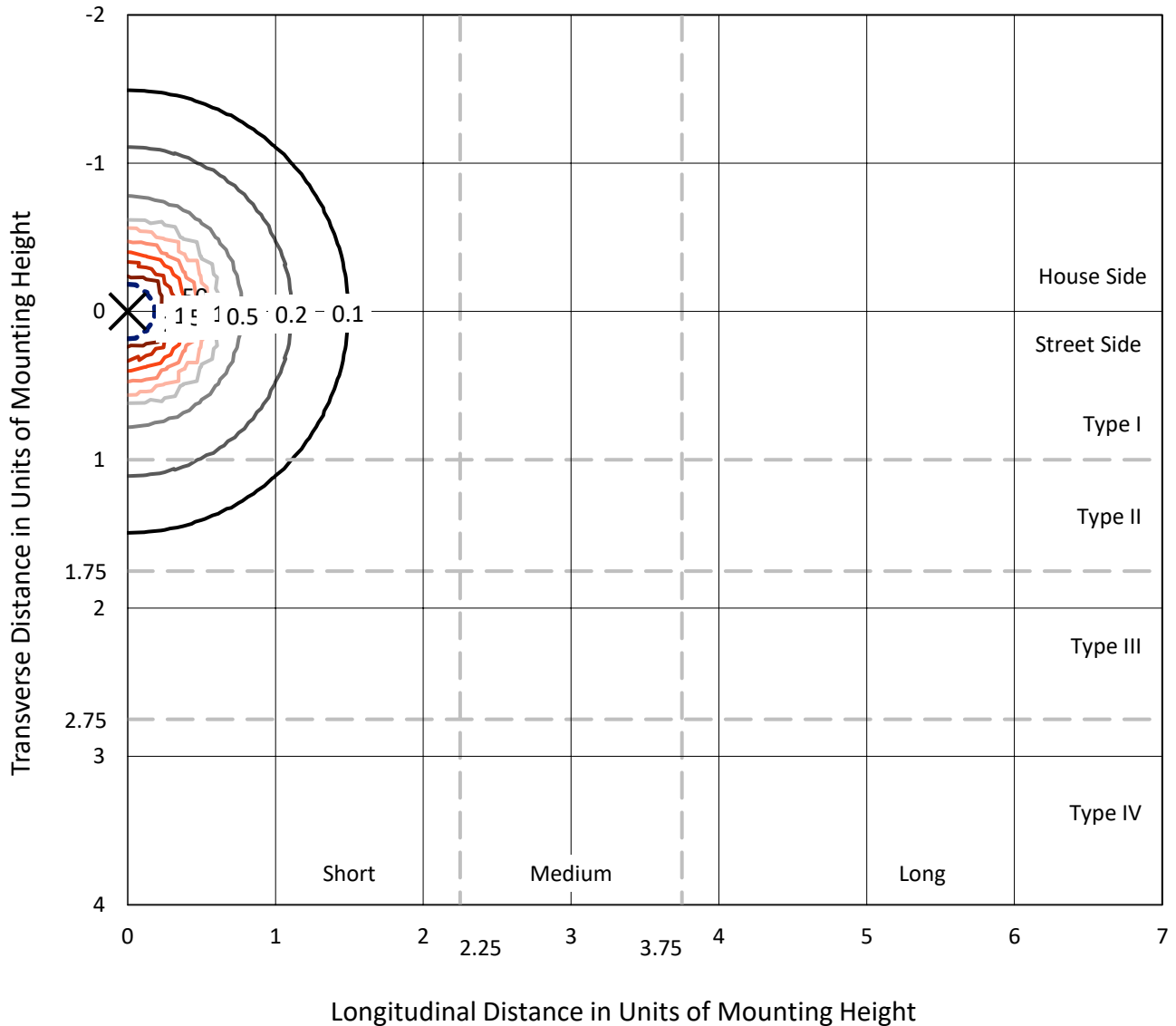
Lumens per Lamp: N/A
Luminaire Lumens: 21714.9 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

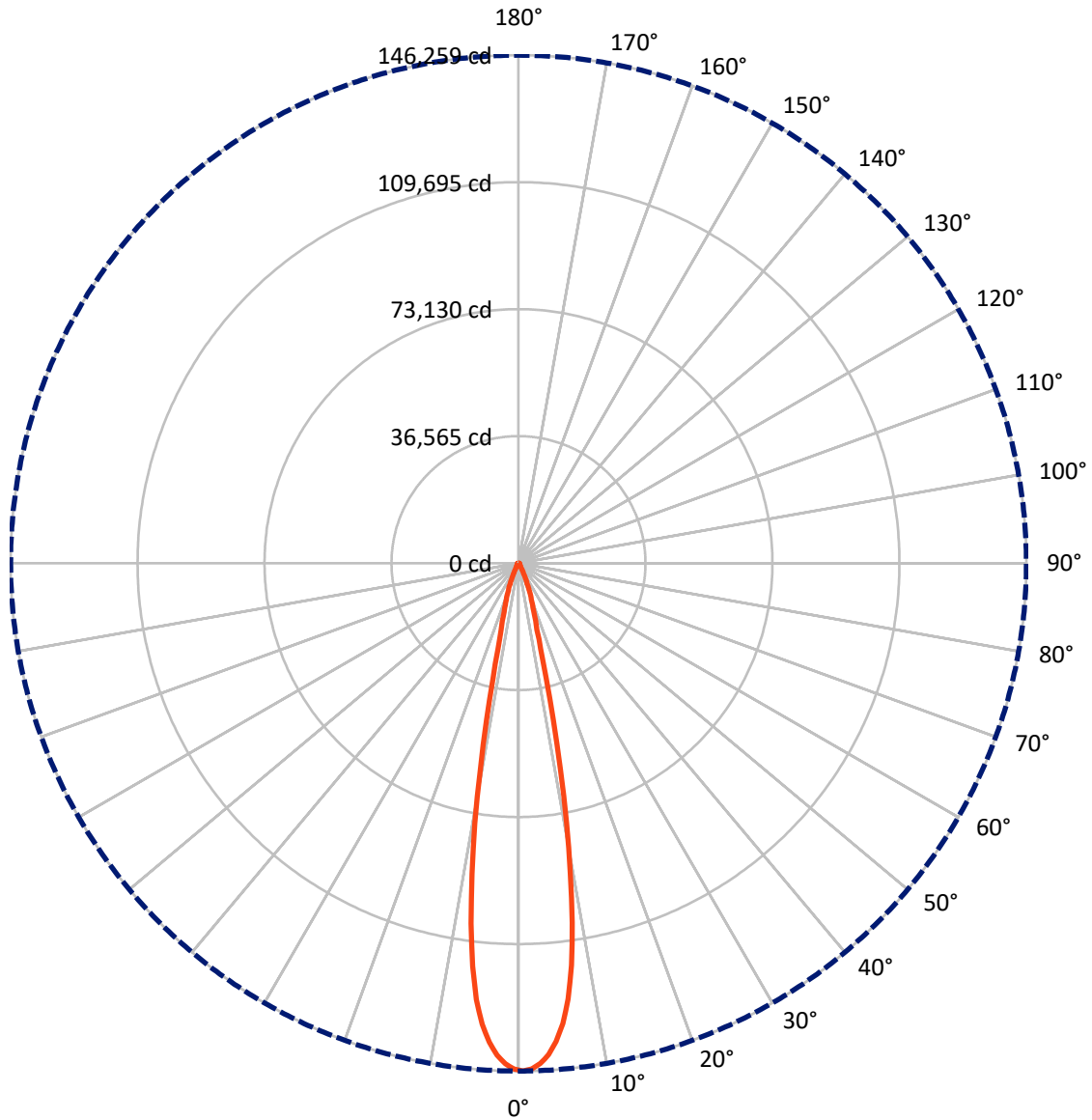
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 234 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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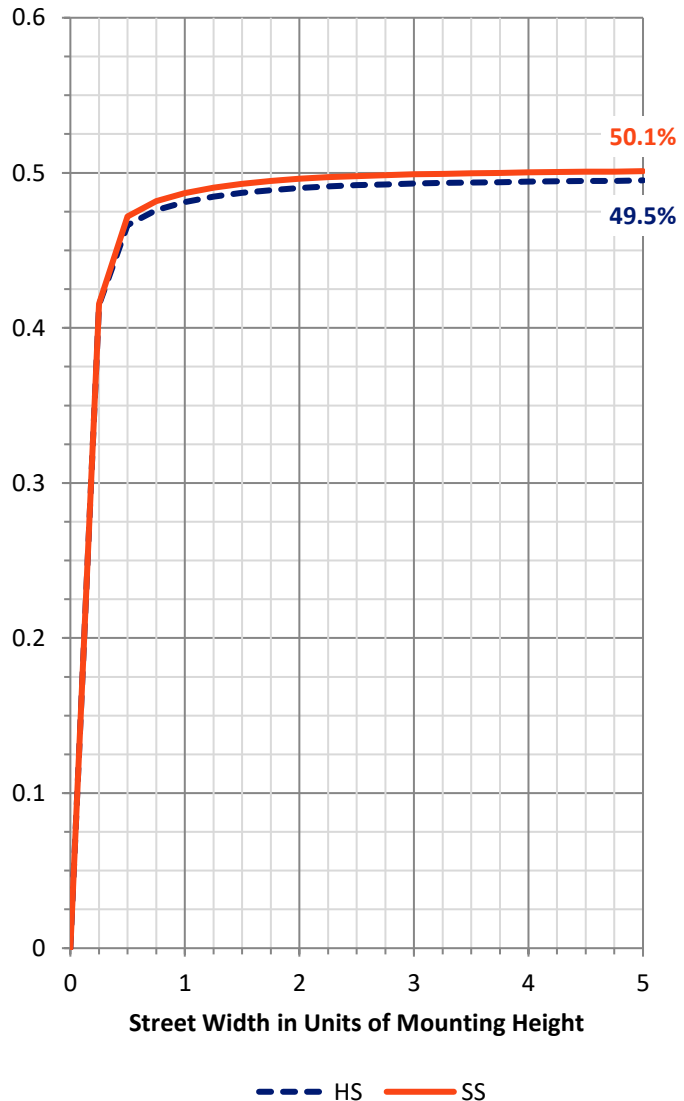
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10857.5	0.0	10857.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10857.5	0.0	10857.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21714.9	0.0	21714.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10889.8	50.1
10°-20°	7163.0	33.0
20°-30°	1926.7	8.9
30°-40°	478.7	2.2
40°-50°	357.3	1.6
50°-60°	328.5	1.5
60°-70°	301.3	1.4
70°-80°	194.9	0.9
80°-90°	74.8	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°	21714.9	100.0
0°-180°	21714.9	100.0

Coefficient of Utilization



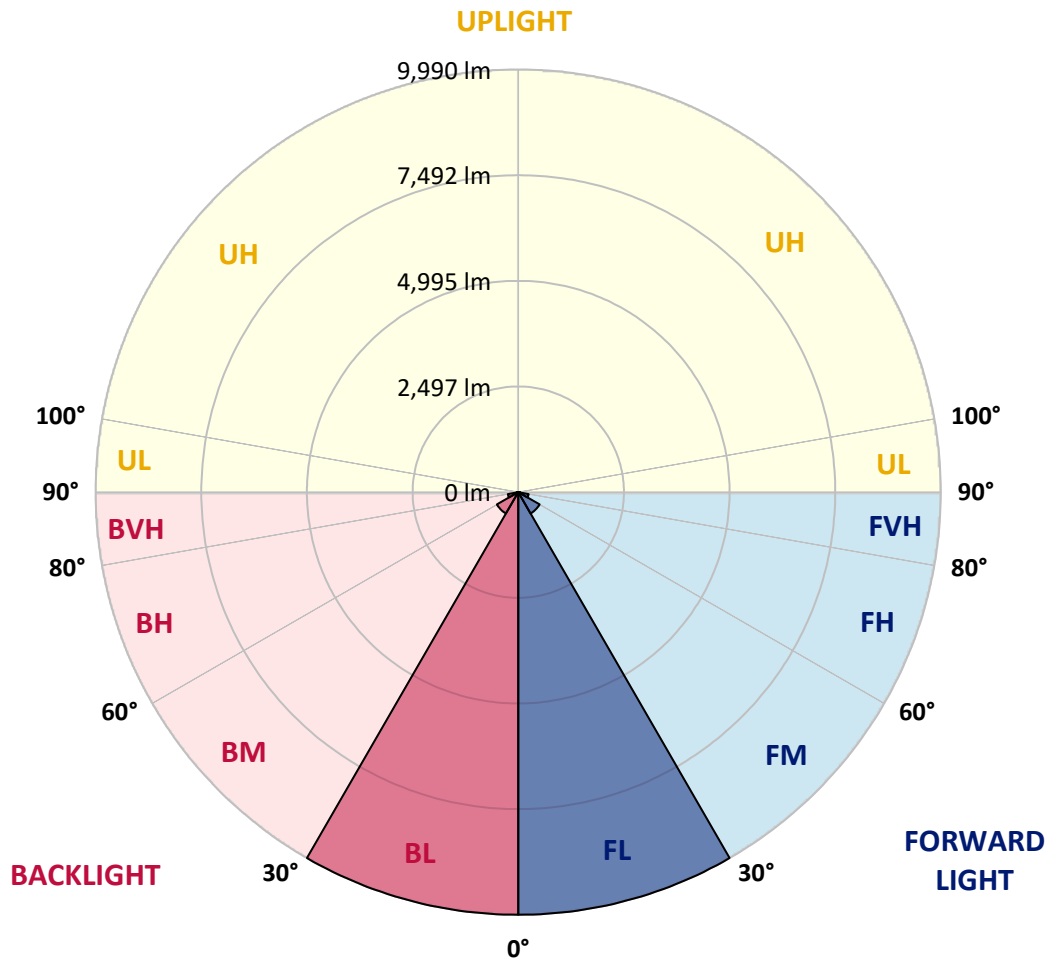
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9989.7	46.0			
FM (30°-60°)	582.2	2.7			
FH (60°-80°)	248.1	1.1			G0/660
FVH (80°-90°)	37.4	0.2			G1/100
BL (0°-30°)	9989.7	46.0	B5		
BM (30°-60°)	582.2	2.7	B1/1000		
BH (60°-80°)	248.1	1.1	B1/500		G0/660
BVH (80°-90°)	37.4	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°	146259.4
1°	145687.1
2°	144244.9
3°	141789.2
4°	138211.0
5°	133229.1
6°	126274.3
7°	116754.9
8°	104683.9
9°	90448.1
10°	76010.8
11°	60502.3
12°	46106.6
13°	34070.7
14°	25497.9
15°	19969.2
17.5°	13385.3
20°	9676.0
22.5°	6379.3
25°	3744.4
27.5°	2100.8
30°	1173.5
32.5°	857.0
35°	725.9
37.5°	639.5
40°	562.8
42.5°	505.2
45°	454.1
47.5°	418.9
50°	390.1
52.5°	374.1
55°	364.5
57.5°	358.1
60°	348.5
62.5°	329.4
65°	307.0
67.5°	281.4
70°	249.4
72.5°	214.2
75°	182.3
77.5°	153.5
80°	127.9
82.5°	102.3
85°	76.7
87.5°	32.0



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CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0.0}$

(END OF REPORT)