

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: P525658

Luminaire Tested: **IFLD-L-SA8C-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525658
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-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

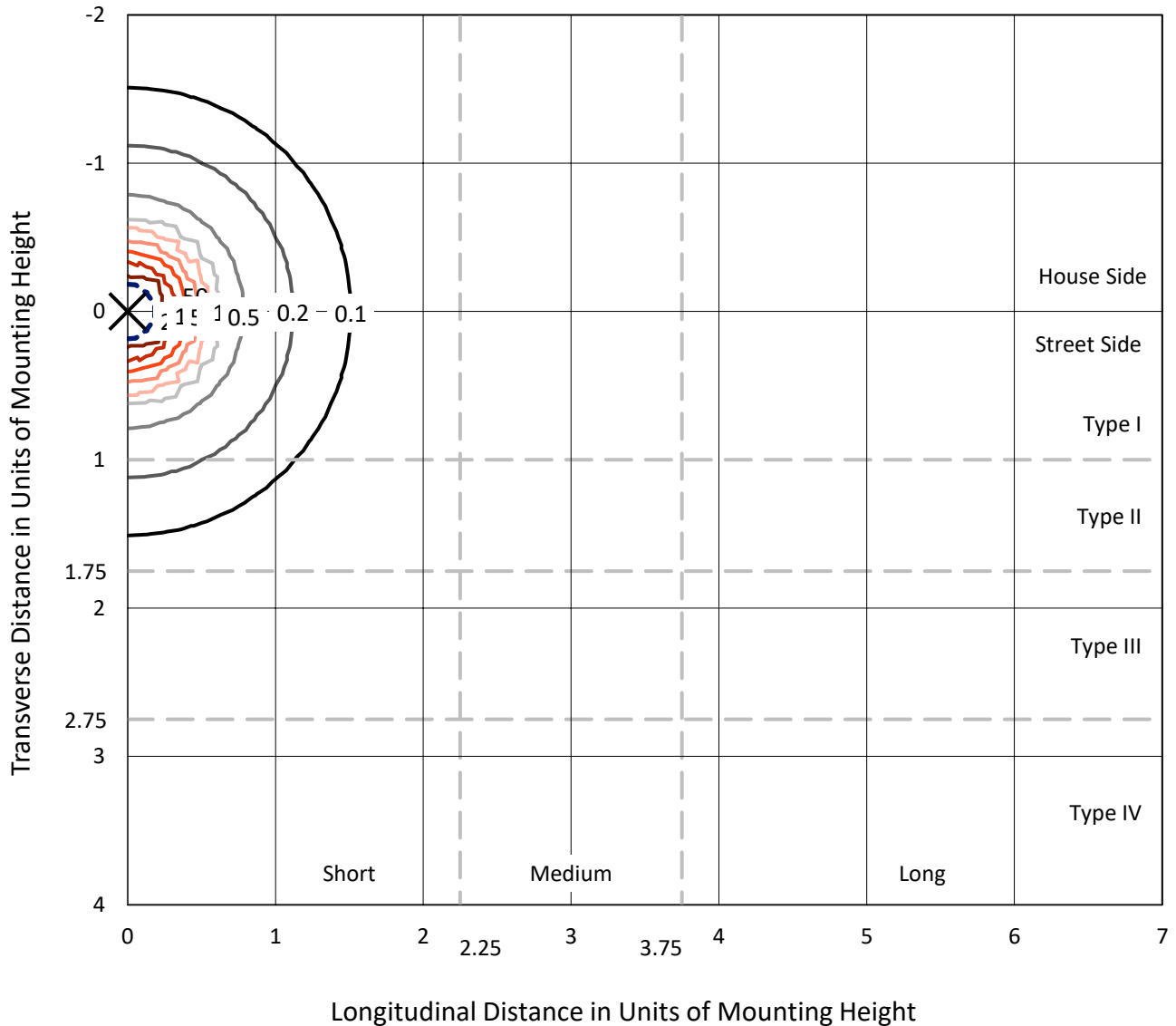
Lumens per Lamp: N/A
Luminaire Lumens: 32116 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3
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

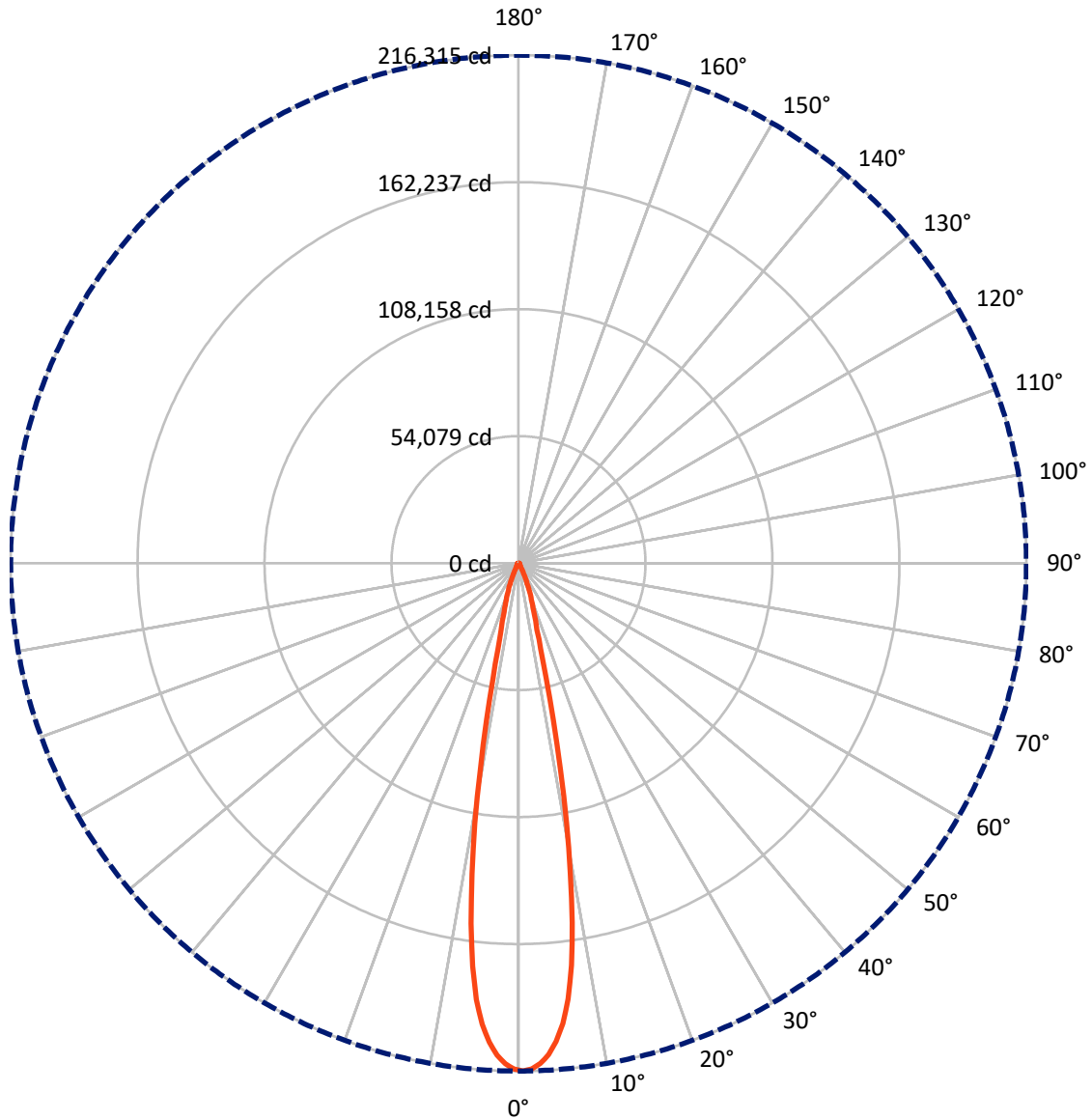
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 240.4 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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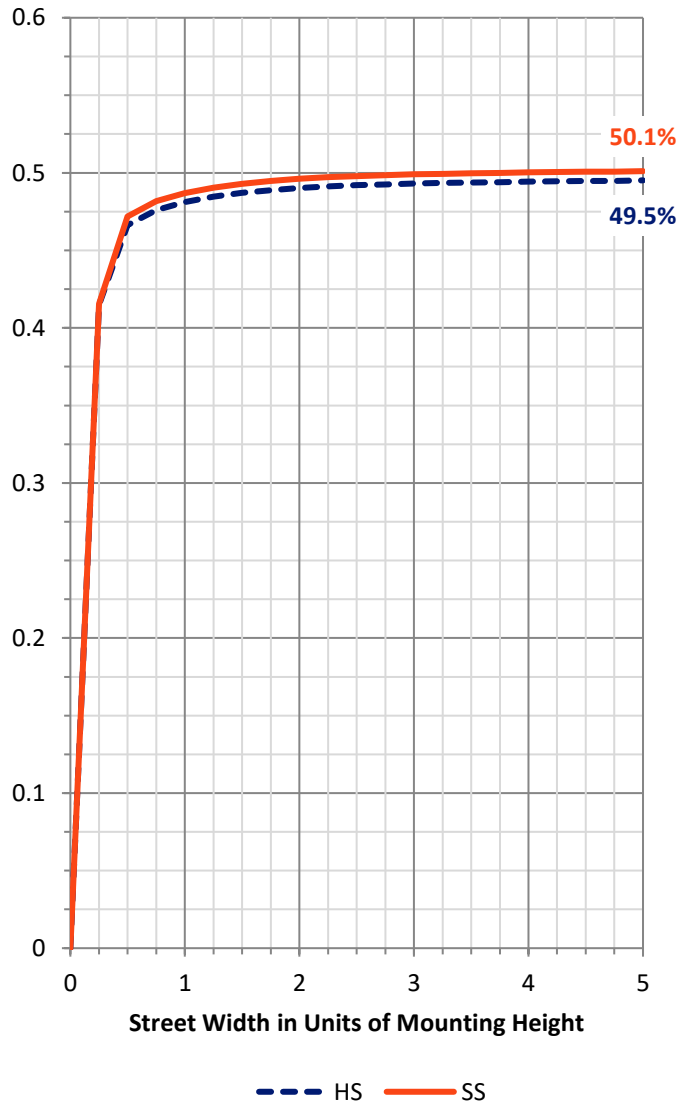
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16058.0	0.0	16058.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16058.0	0.0	16058.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32116.0	0.0	32116.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16105.8	50.1
10°-20°	10593.9	33.0
20°-30°	2849.5	8.9
30°-40°	708.0	2.2
40°-50°	528.4	1.6
50°-60°	485.9	1.5
60°-70°	445.6	1.4
70°-80°	288.3	0.9
80°-90°	110.7	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°	32116.0	100.0
0°-180°	32116.0	100.0

Coefficient of Utilization



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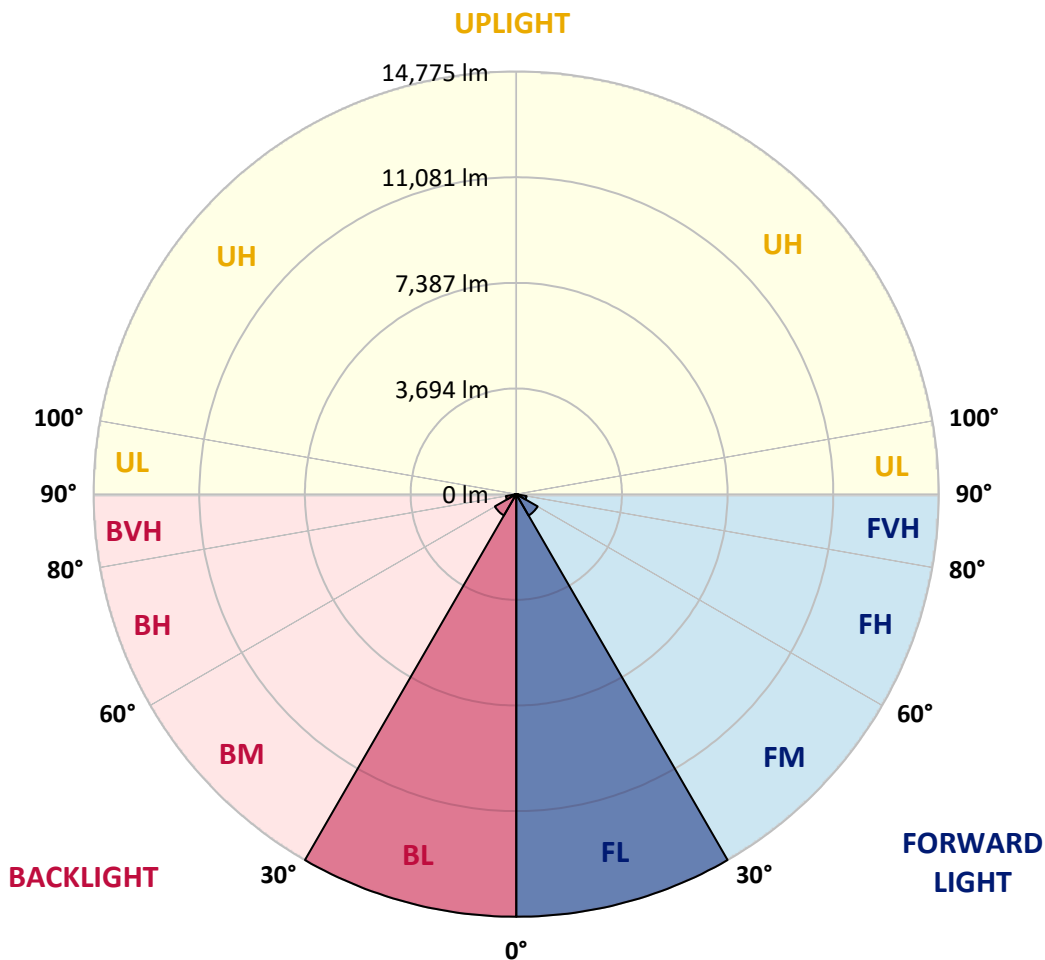
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	14774.6	46.0			
FM (30°-60°)	861.1	2.7			
FH (60°-80°)	367.0	1.1			G0/660
FVH (80°-90°)	55.3	0.2			G1/100
BL (0°-30°)	14774.6	46.0	B5		
BM (30°-60°)	861.1	2.7	B1/1000		
BH (60°-80°)	367.0	1.1	B1/500		G0/660
BVH (80°-90°)	55.3	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°	216315.4
1°	215468.8
2°	213335.9
3°	209703.9
4°	204411.9
5°	197043.7
6°	186757.6
7°	172678.7
8°	154825.8
9°	133771.2
10°	112418.7
11°	89481.9
12°	68190.9
13°	50390.0
14°	37710.9
15°	29534.1
17.5°	19796.6
20°	14310.7
22.5°	9434.8
25°	5537.9
27.5°	3107.1
30°	1735.6
32.5°	1267.4
35°	1073.5
37.5°	945.8
40°	832.3
42.5°	747.2
45°	671.6
47.5°	619.5
50°	577.0
52.5°	553.3
55°	539.1
57.5°	529.7
60°	515.5
62.5°	487.1
65°	454.0
67.5°	416.2
70°	368.9
72.5°	316.9
75°	269.6
77.5°	227.0
80°	189.2
82.5°	151.3
85°	113.5
87.5°	47.3



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)