

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: P525735

Luminaire Tested: **IFLD-L-SA8B-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525735
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

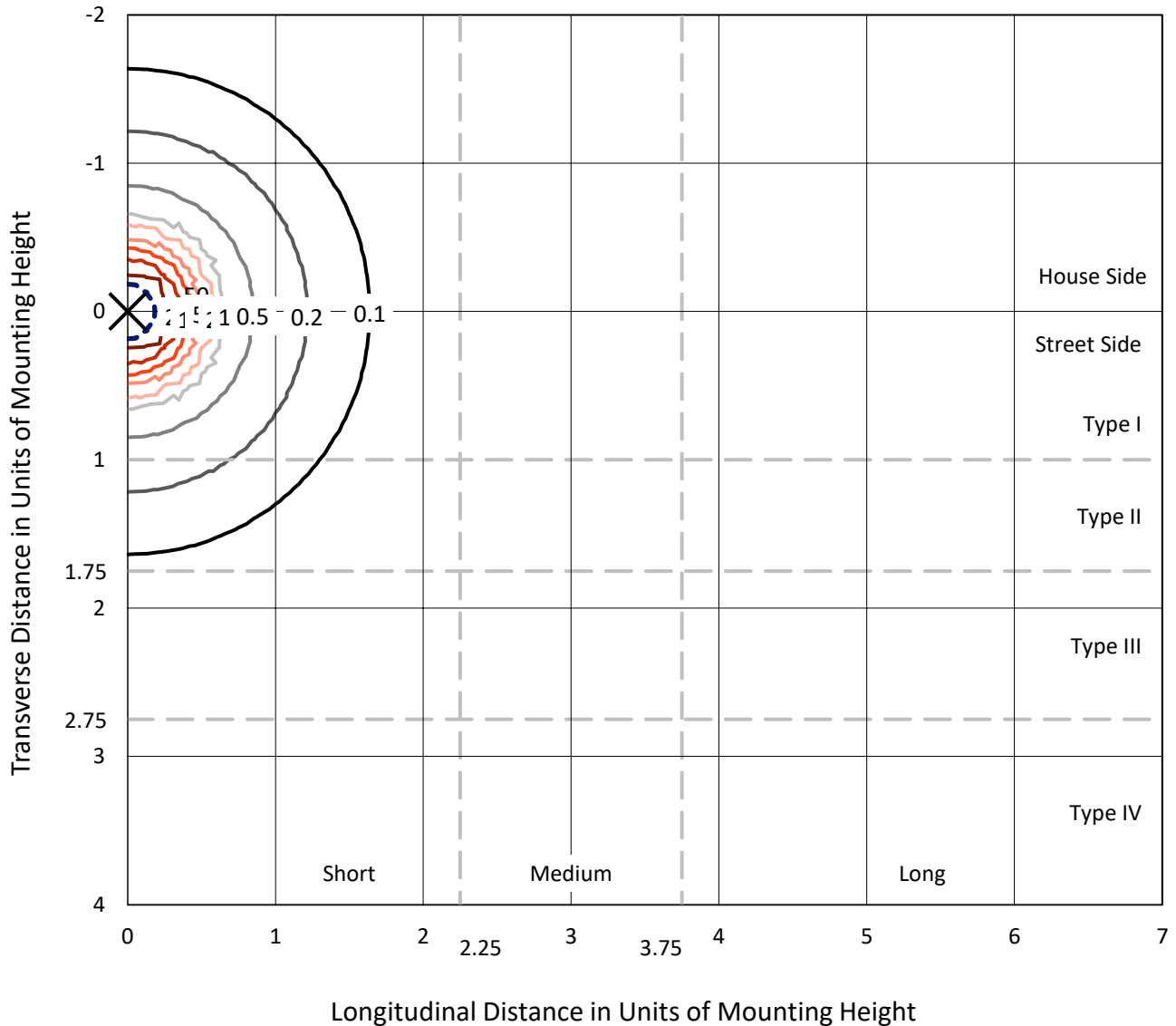
Lumens per Lamp: N/A
Luminaire Lumens: 27059.6 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 320
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

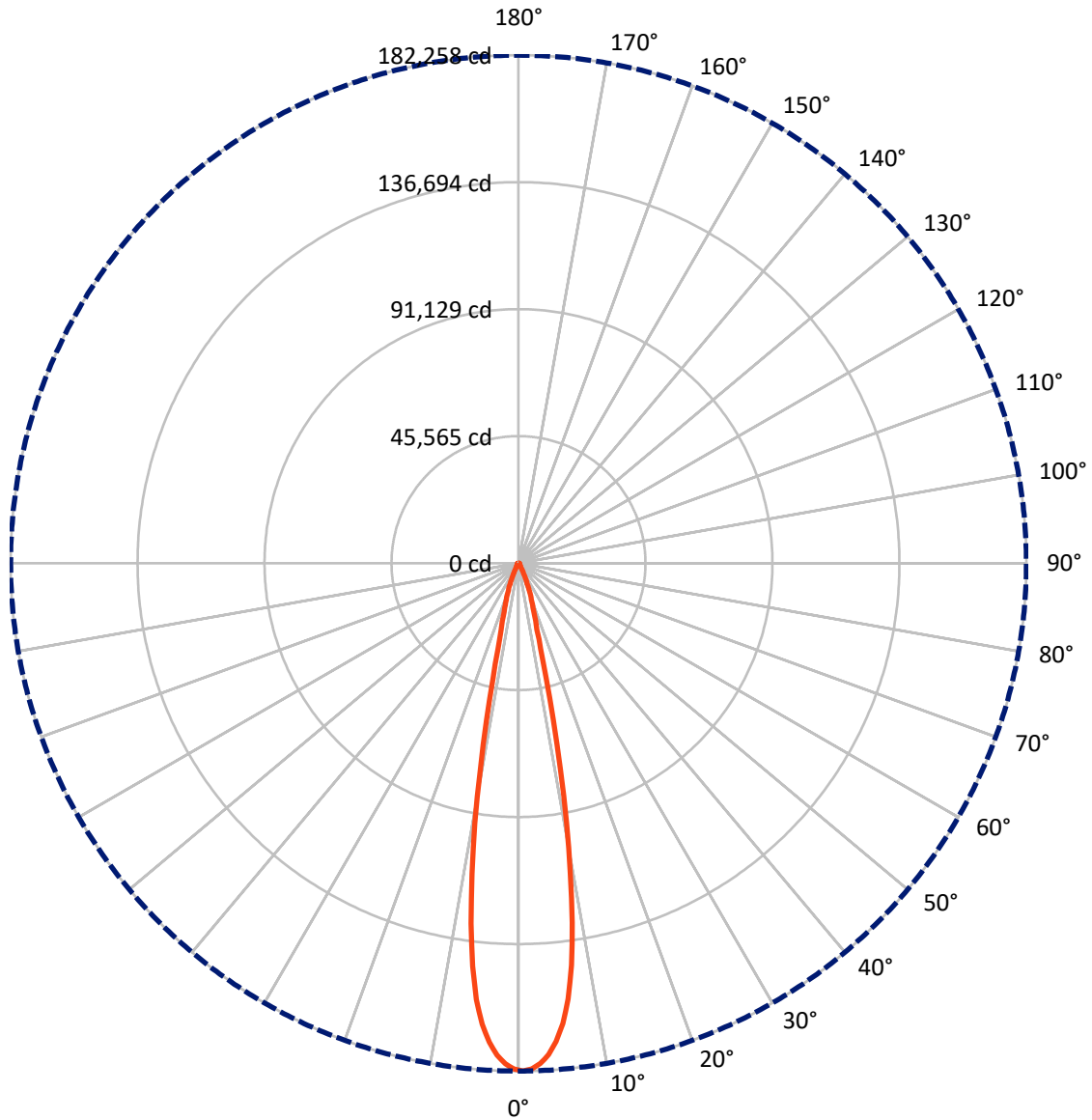
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 291.6 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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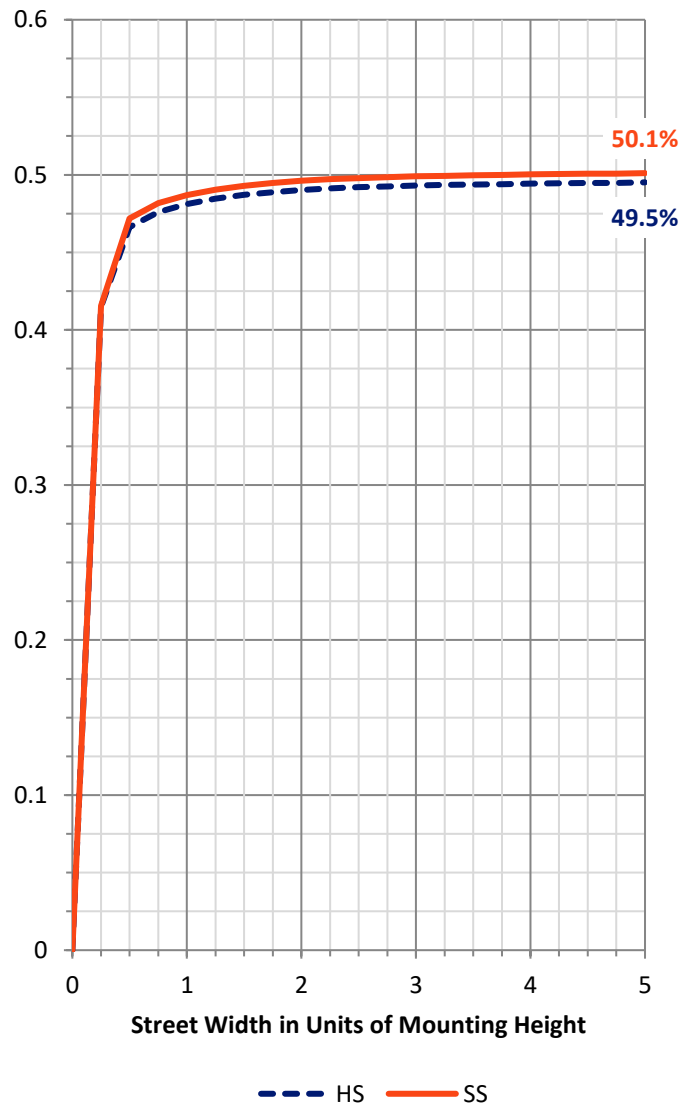
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13529.8	0.0	13529.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13529.8	0.0	13529.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	27059.6	0.0	27059.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13570.1	50.1
10°-20°	8926.0	33.0
20°-30°	2400.9	8.9
30°-40°	596.6	2.2
40°-50°	445.2	1.6
50°-60°	409.4	1.5
60°-70°	375.4	1.4
70°-80°	242.9	0.9
80°-90°	93.2	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°	27059.6	100.0
0°-180°	27059.6	100.0

Coefficient of Utilization



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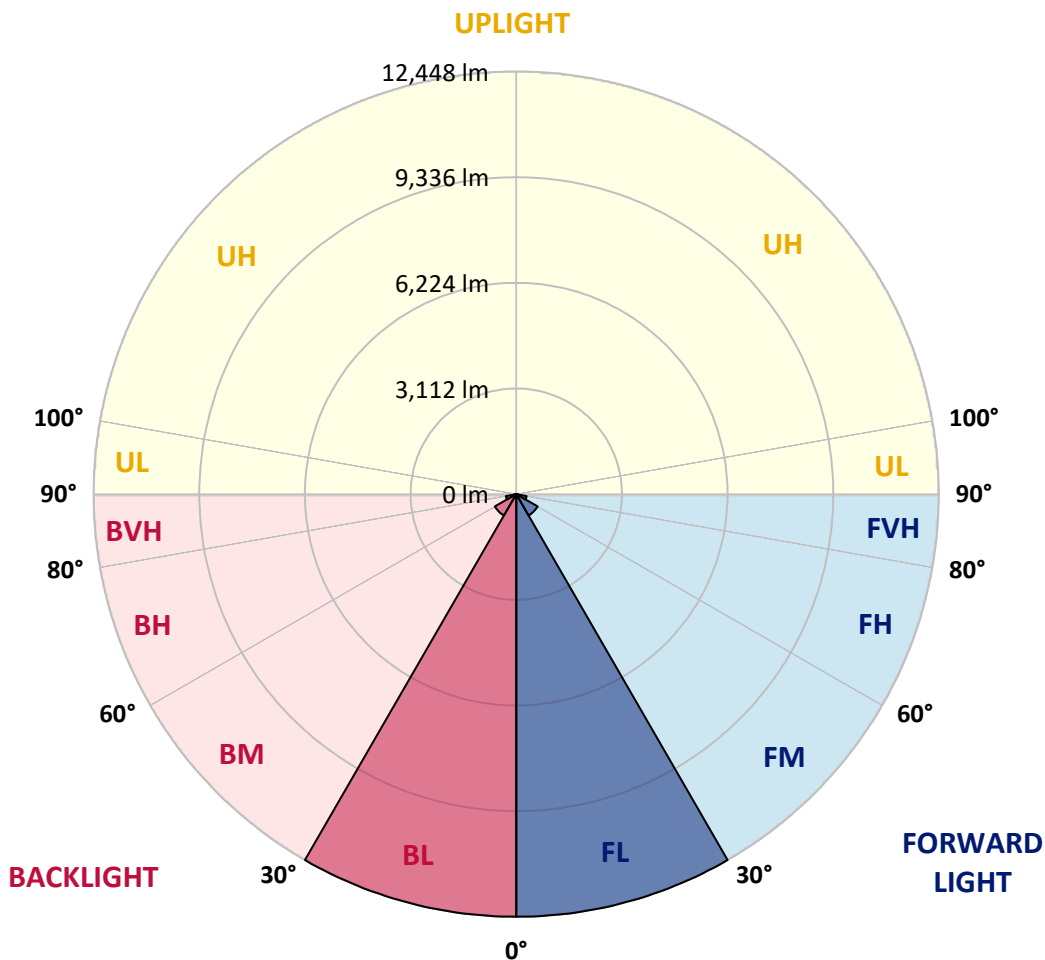
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	12448.5	46.0			
FM (30°-60°)	725.6	2.7			
FH (60°-80°)	309.2	1.1			G0/660
FVH (80°-90°)	46.6	0.2			G1/100
BL (0°-30°)	12448.5	46.0	B5		
BM (30°-60°)	725.6	2.7	B1/1000		
BH (60°-80°)	309.2	1.1	B1/500		G0/660
BVH (80°-90°)	46.6	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°	182258.3
1°	181545.0
2°	179747.9
3°	176687.7
4°	172228.9
5°	166020.8
6°	157354.2
7°	145491.8
8°	130449.7
9°	112710.0
10°	94719.3
11°	75393.7
12°	57454.8
13°	42456.5
14°	31773.7
15°	24884.2
17.5°	16679.8
20°	12057.6
22.5°	7949.4
25°	4666.0
27.5°	2617.9
30°	1462.4
32.5°	1067.9
35°	904.5
37.5°	796.9
40°	701.3
42.5°	629.6
45°	565.8
47.5°	522.0
50°	486.1
52.5°	466.2
55°	454.3
57.5°	446.3
60°	434.3
62.5°	410.4
65°	382.5
67.5°	350.6
70°	310.8
72.5°	267.0
75°	227.1
77.5°	191.3
80°	159.4
82.5°	127.5
85°	95.6
87.5°	39.8



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)