

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: P525700

Luminaire Tested: **IFLD-S-SA2B-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525700
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2B-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (32) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

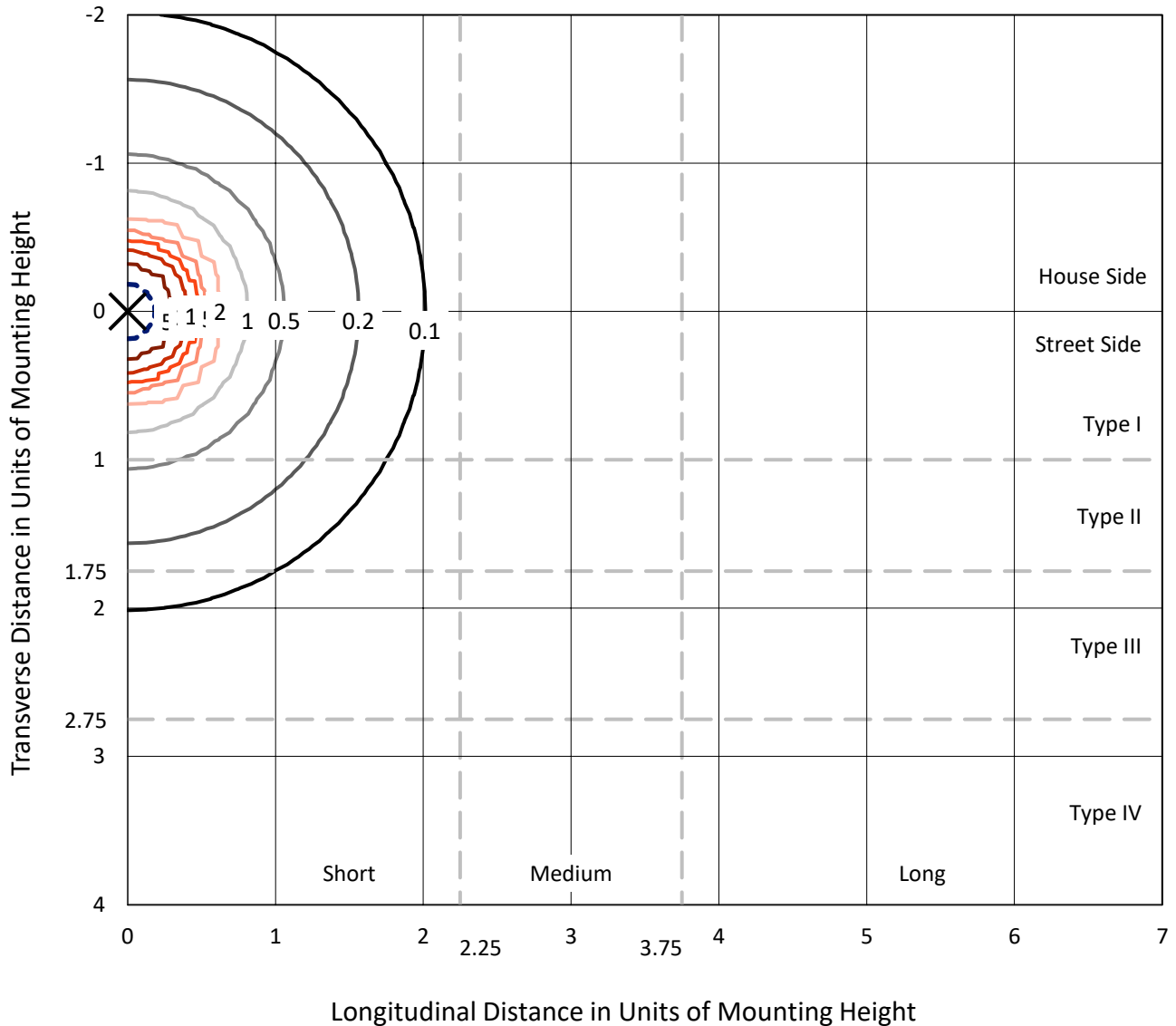
Lumens per Lamp: N/A
Luminaire Lumens: 7717.3 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 82.4
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

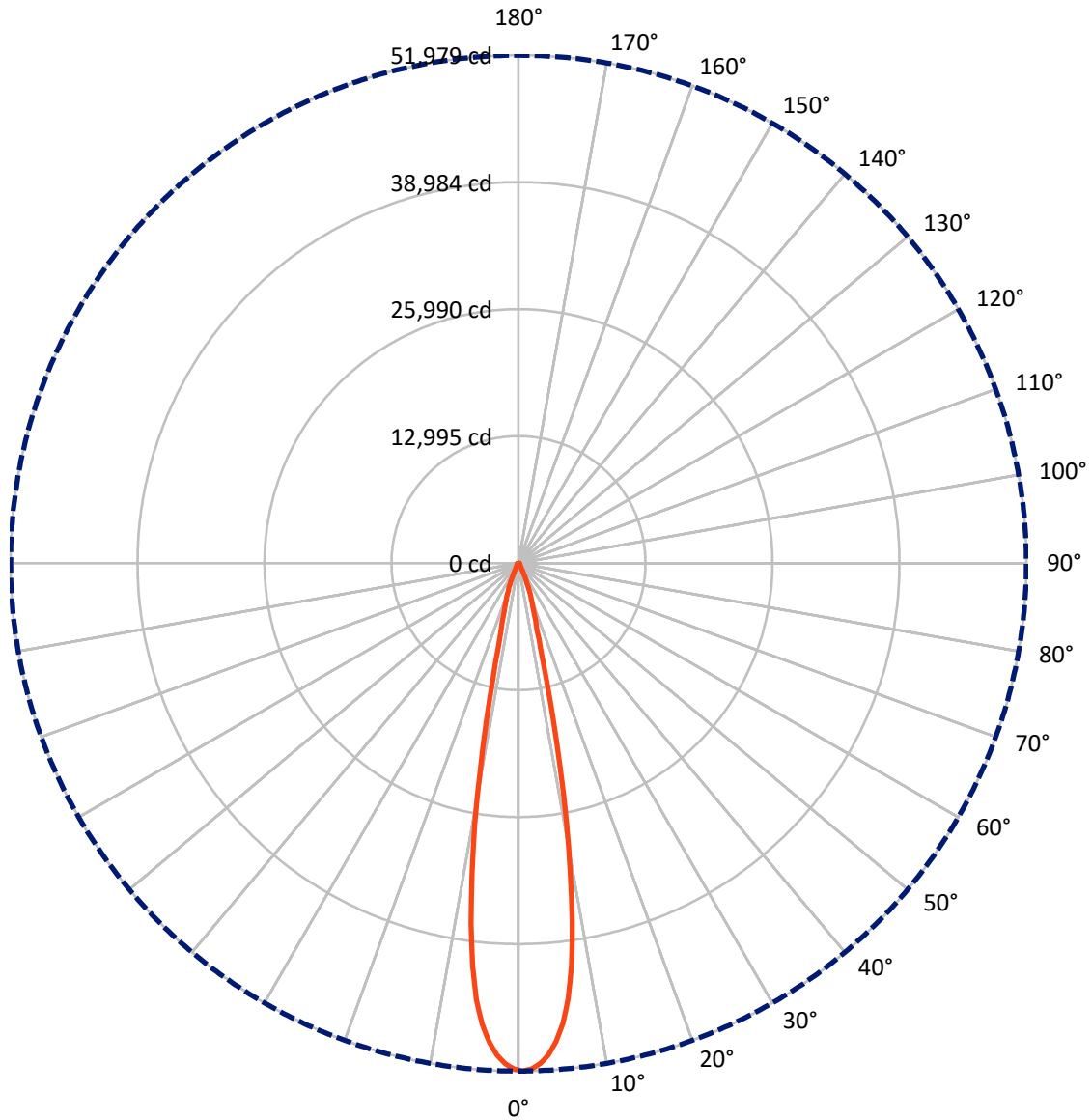
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 519.8 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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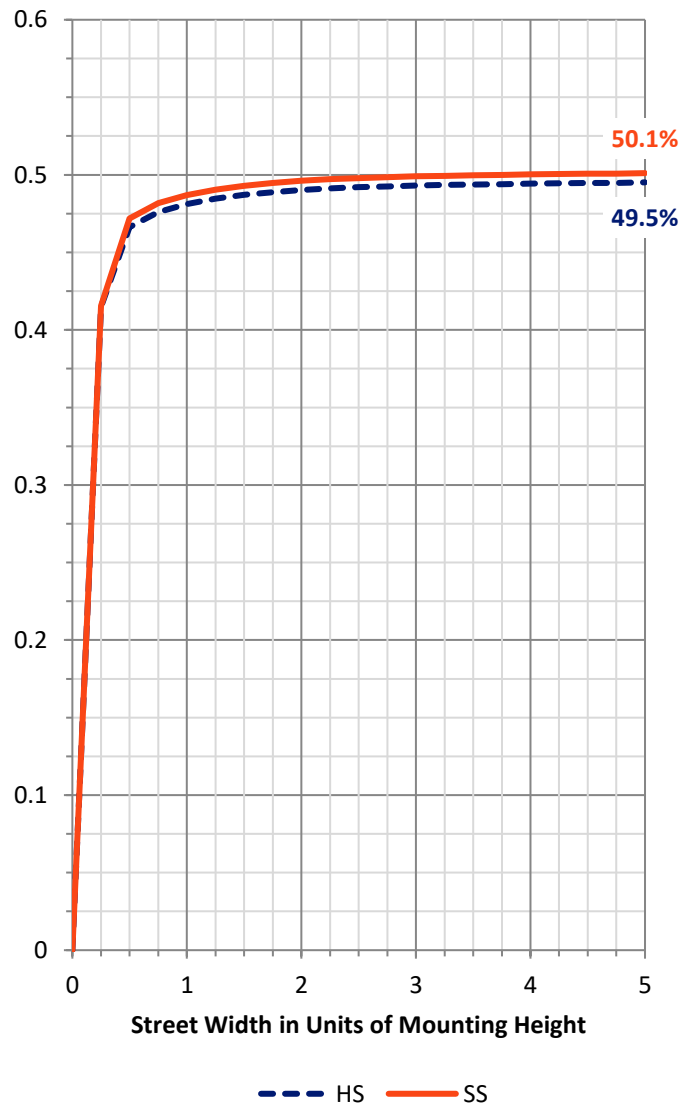
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3858.7	0.0	3858.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3858.7	0.0	3858.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	7717.3	0.0	7717.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3870.1	50.1
10°-20°	2545.7	33.0
20°-30°	684.7	8.9
30°-40°	170.2	2.2
40°-50°	127.0	1.6
50°-60°	116.8	1.5
60°-70°	107.1	1.4
70°-80°	69.2	0.9
80°-90°	26.6	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°	7717.3	100.0
0°-180°	7717.3	100.0

Coefficient of Utilization



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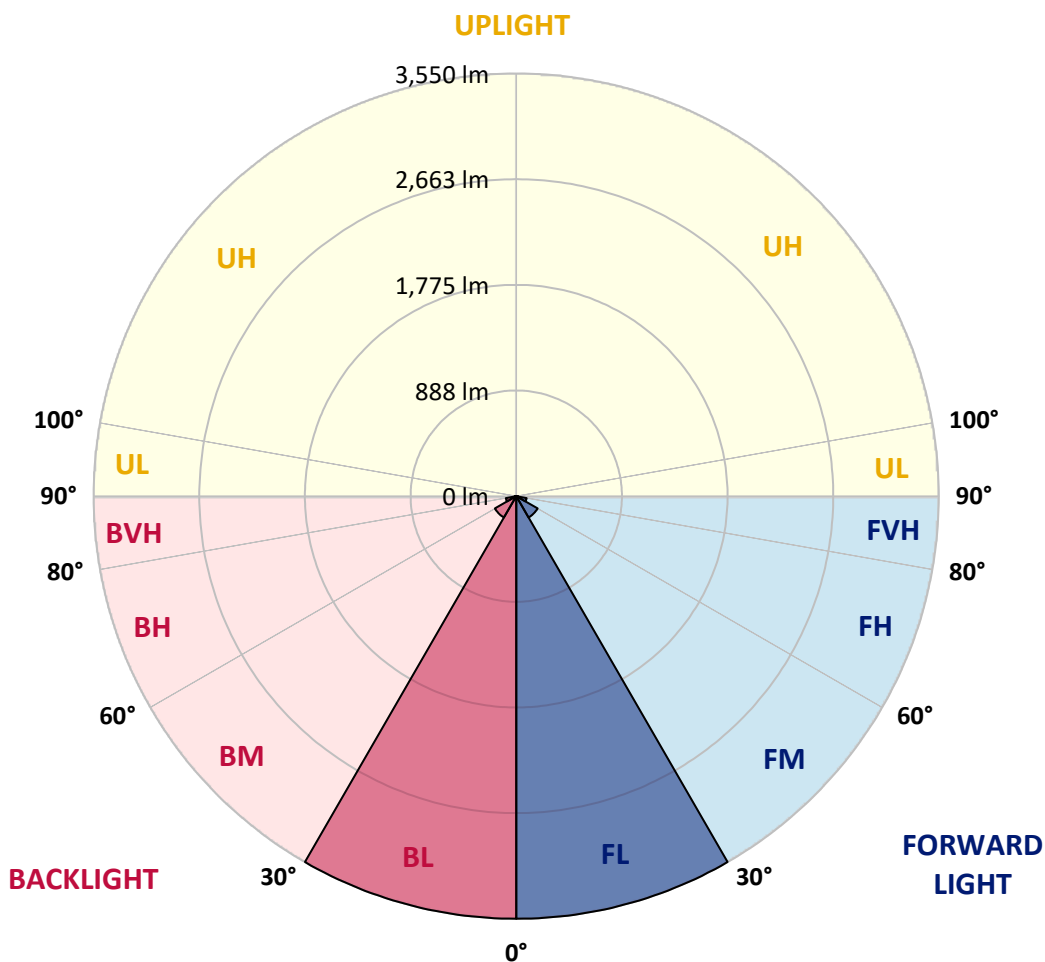
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3550.2	46.0			
FM (30°-60°)	207.0	2.7			
FH (60°-80°)	88.2	1.1			G0/660
FVH (80°-90°)	13.3	0.2			G1/100
BL (0°-30°)	3550.2	46.0	B4/5000		
BM (30°-60°)	207.0	2.7	B0/220		
BH (60°-80°)	88.2	1.1	B0/110		G0/660
BVH (80°-90°)	13.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	51979.2
1°	51775.8
2°	51263.3
3°	50390.5
4°	49118.9
5°	47348.3
6°	44876.7
7°	41493.6
8°	37203.7
9°	32144.4
10°	27013.5
11°	21501.9
12°	16385.8
13°	12108.4
14°	9061.7
15°	7096.9
17.5°	4757.0
20°	3438.8
22.5°	2267.1
25°	1330.7
27.5°	746.6
30°	417.1
32.5°	304.6
35°	258.0
37.5°	227.3
40°	200.0
42.5°	179.6
45°	161.4
47.5°	148.9
50°	138.6
52.5°	133.0
55°	129.6
57.5°	127.3
60°	123.9
62.5°	117.0
65°	109.1
67.5°	100.0
70°	88.6
72.5°	76.1
75°	64.8
77.5°	54.5
80°	45.5
82.5°	36.4
85°	27.3
87.5°	11.4



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)