

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: P525539

Luminaire Tested: **IFLD-L-SA8A-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525539
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23002.1 lumens
Efficiency: N/A
Efficacy: 92.8 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

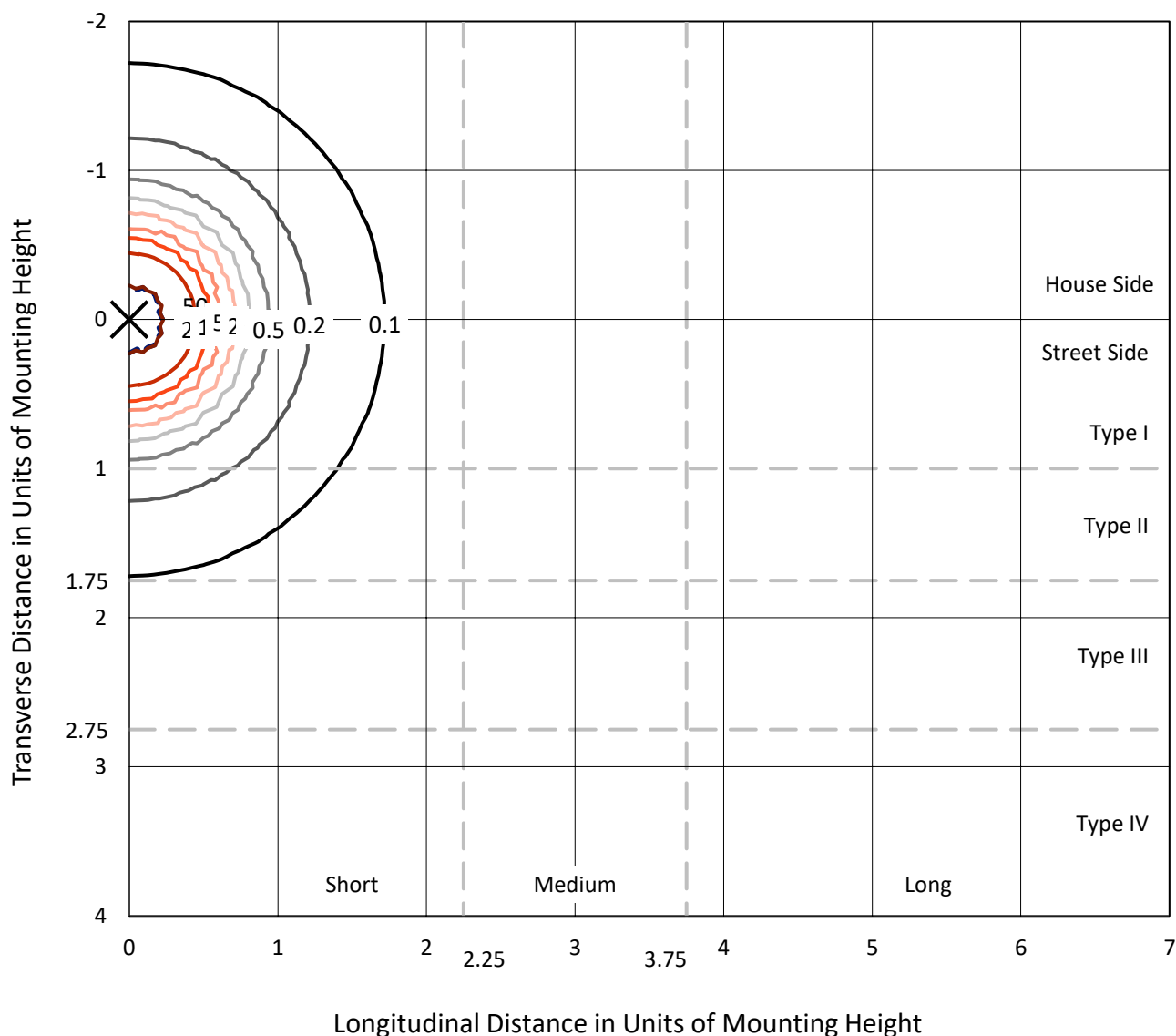
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

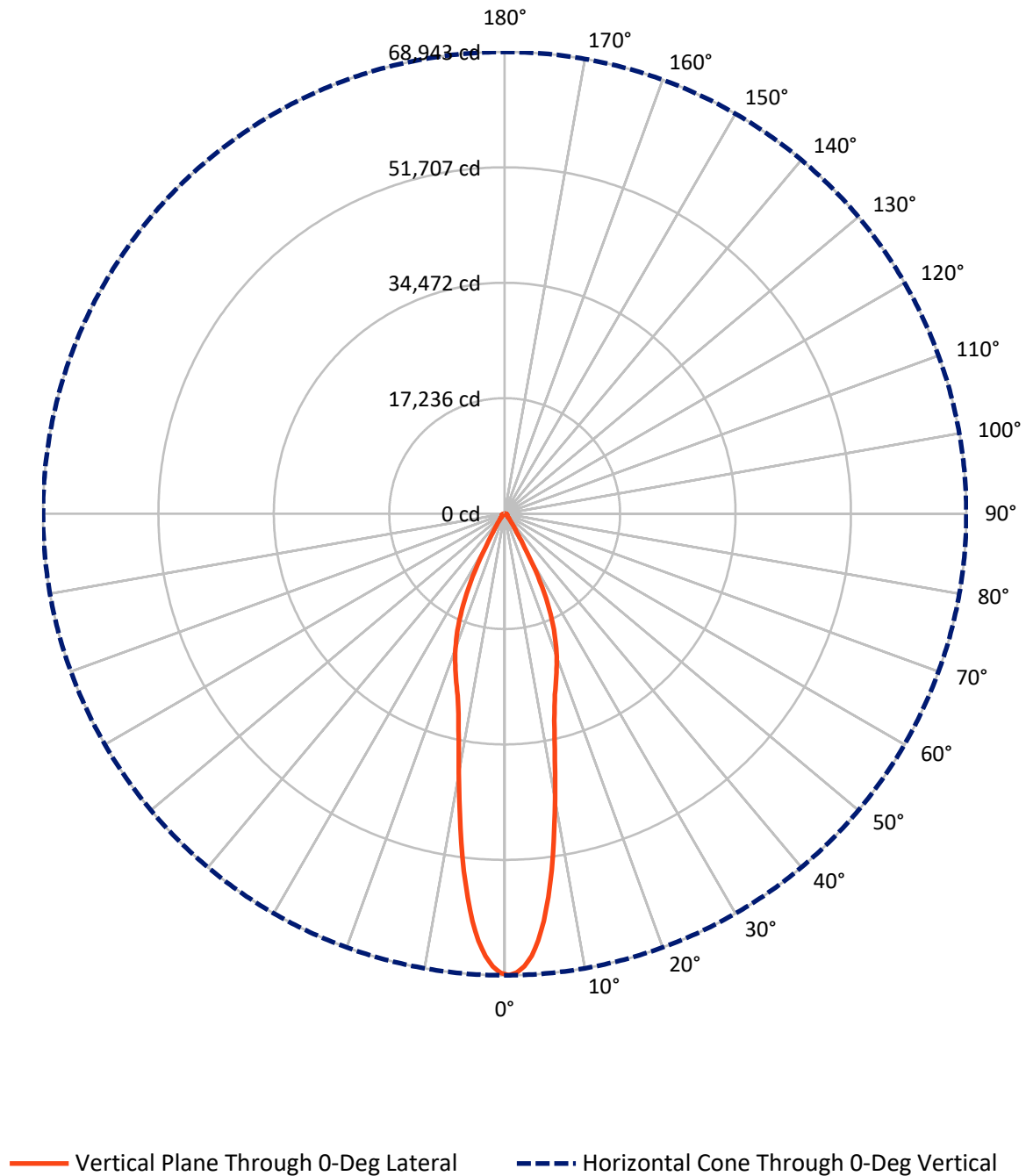


Based on 25 foot mounting height. Maximum calculated value = 110.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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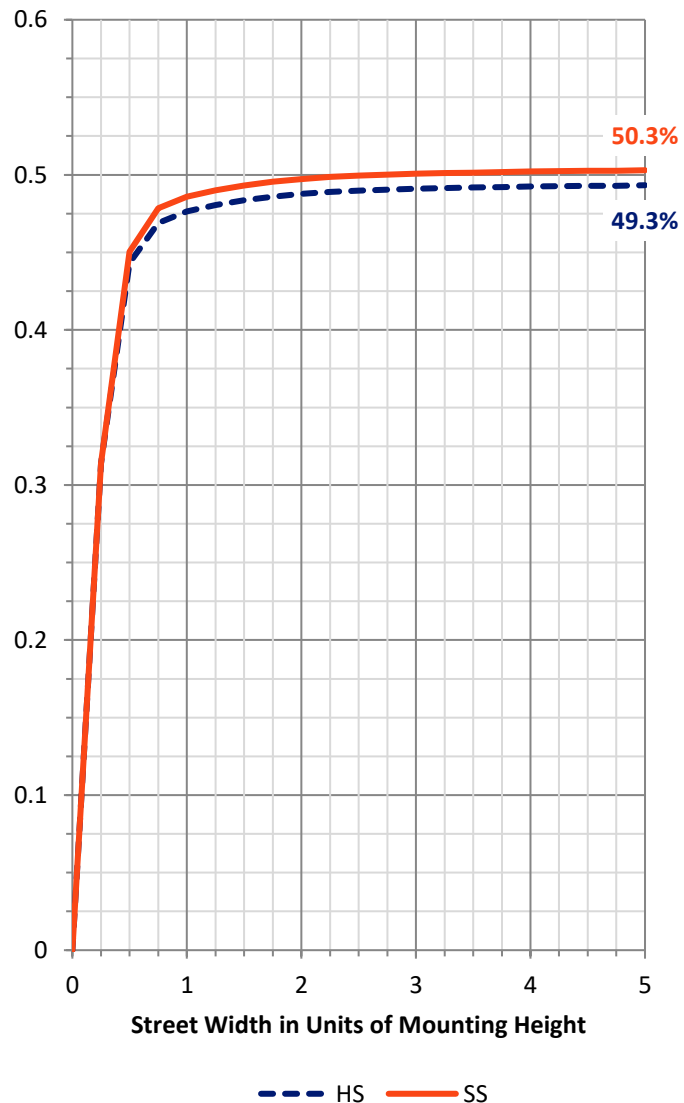
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11501.0	0.0	11501.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11501.0	0.0	11501.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	23002.1	0.0	23002.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5160.9	22.4
10°-20°	8048.7	35.0
20°-30°	6522.1	28.4
30°-40°	1582.9	6.9
40°-50°	532.7	2.3
50°-60°	421.0	1.8
60°-70°	419.9	1.8
70°-80°	231.7	1.0
80°-90°	82.1	0.4
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°	23002.1	100.0
0°-180°	23002.1	100.0

Coefficient of Utilization



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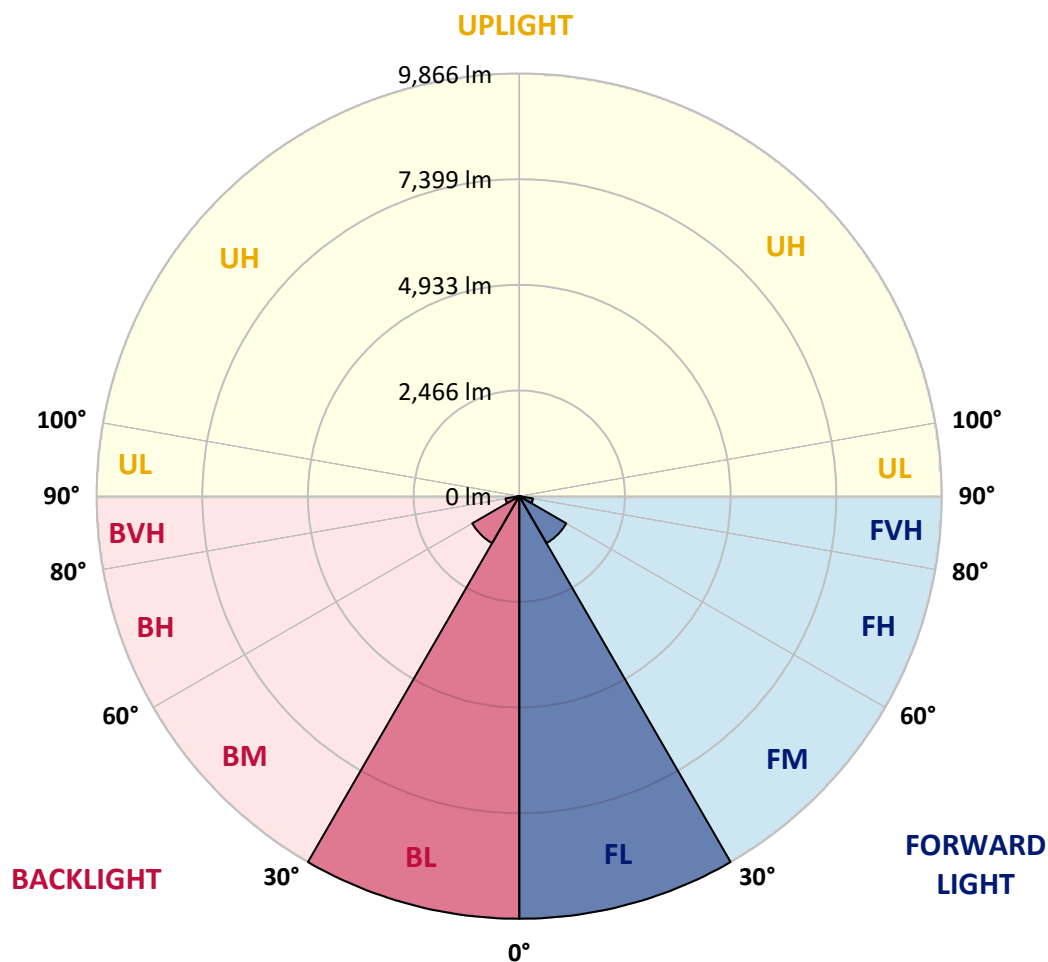
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9865.9	42.9			
FM	(30°-60°)	1268.3	5.5			
FH	(60°-80°)	325.8	1.4			G0/660
FVH	(80°-90°)	41.1	0.2			G1/100
BL	(0°-30°)	9865.9	42.9	B5		
BM	(30°-60°)	1268.3	5.5	B2/2500		
BH	(60°-80°)	325.8	1.4	B1/500		G0/660
BVH	(80°-90°)	41.1	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°	68943.1
1°	68584.2
2°	67661.9
3°	66132.5
4°	63935.7
5°	61101.6
6°	57630.3
7°	53749.8
8°	49537.3
9°	45298.0
10°	41243.1
11°	37594.0
12°	34397.8
13°	31771.6
14°	29678.8
15°	28032.0
17.5°	24983.3
20°	22145.9
22.5°	18822.2
25°	14961.8
27.5°	10561.5
30°	5738.5
32.5°	3300.3
35°	2203.5
37.5°	1502.6
40°	1069.9
42.5°	828.4
45°	647.3
47.5°	529.9
50°	486.3
52.5°	462.8
55°	452.8
57.5°	469.5
60°	496.4
62.5°	486.3
65°	432.7
67.5°	372.3
70°	315.3
72.5°	261.6
75°	214.7
77.5°	174.4
80°	140.9
82.5°	114.0
85°	87.2
87.5°	30.2

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)