

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: P525533

Luminaire Tested: **IFLD-M-SA4E-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525533
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4E-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24713.9 lumens
Efficiency: N/A
Efficacy: 78.5 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): 314.8
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

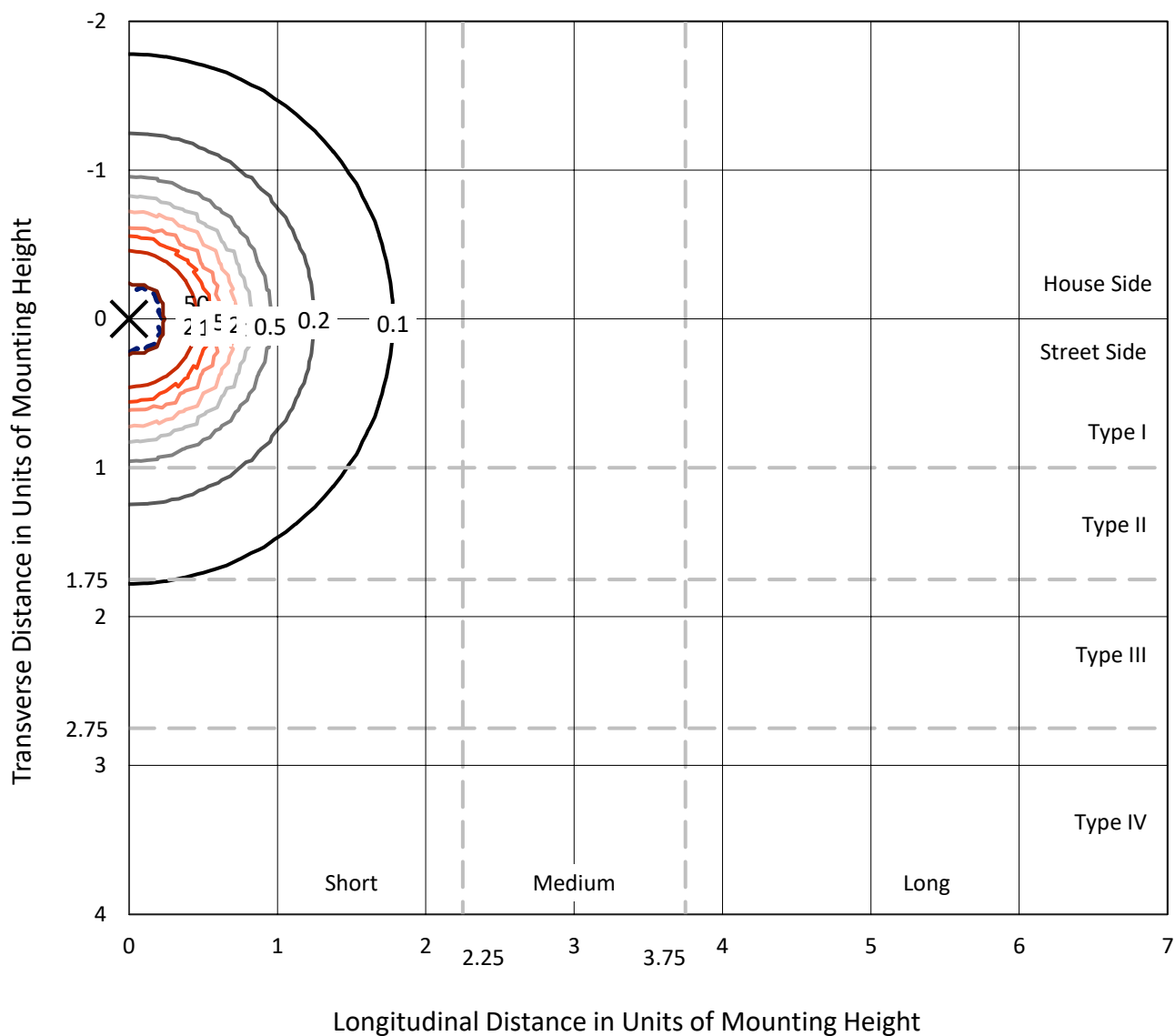
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

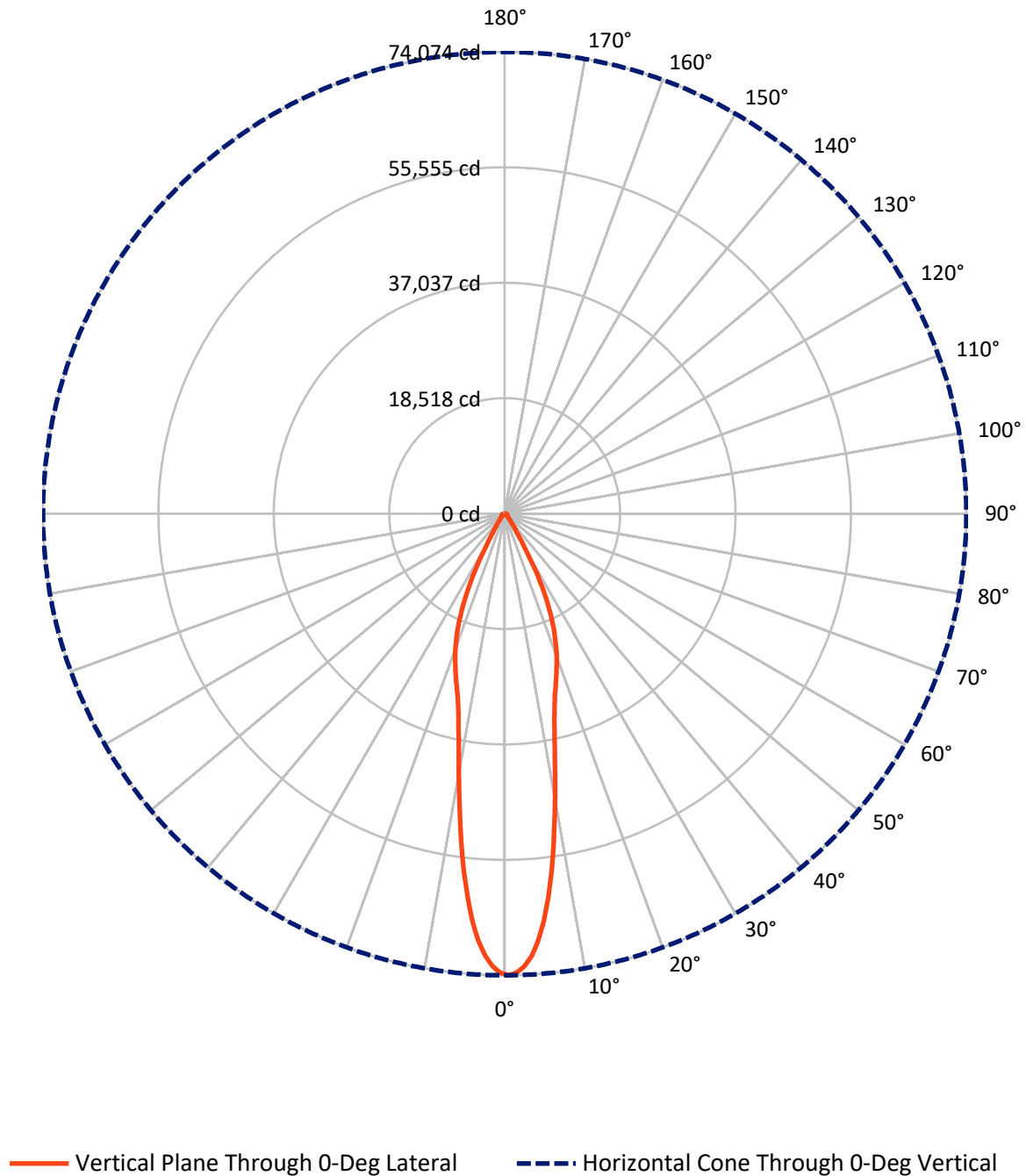


Based on 25 foot mounting height. Maximum calculated value = 118.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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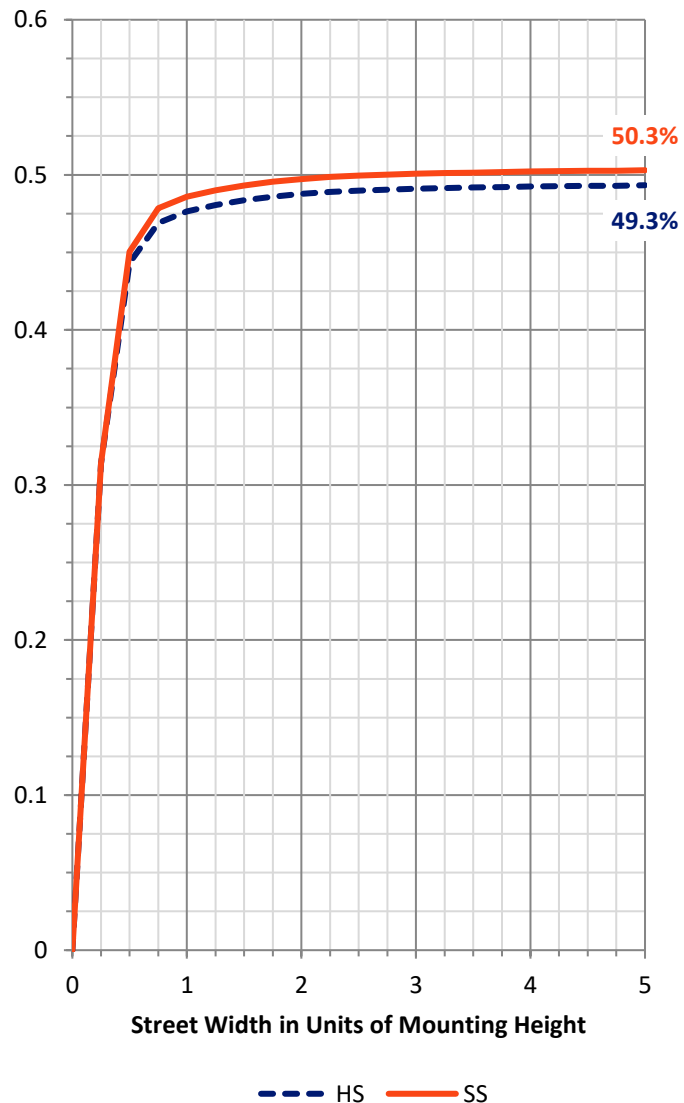
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12356.9	0.0	12356.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12356.9	0.0	12356.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	24713.9	0.0	24713.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5545.0	22.4
10°-20°	8647.7	35.0
20°-30°	7007.5	28.4
30°-40°	1700.7	6.9
40°-50°	572.4	2.3
50°-60°	452.3	1.8
60°-70°	451.1	1.8
70°-80°	249.0	1.0
80°-90°	88.2	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°	24713.9	100.0
0°-180°	24713.9	100.0

Coefficient of Utilization



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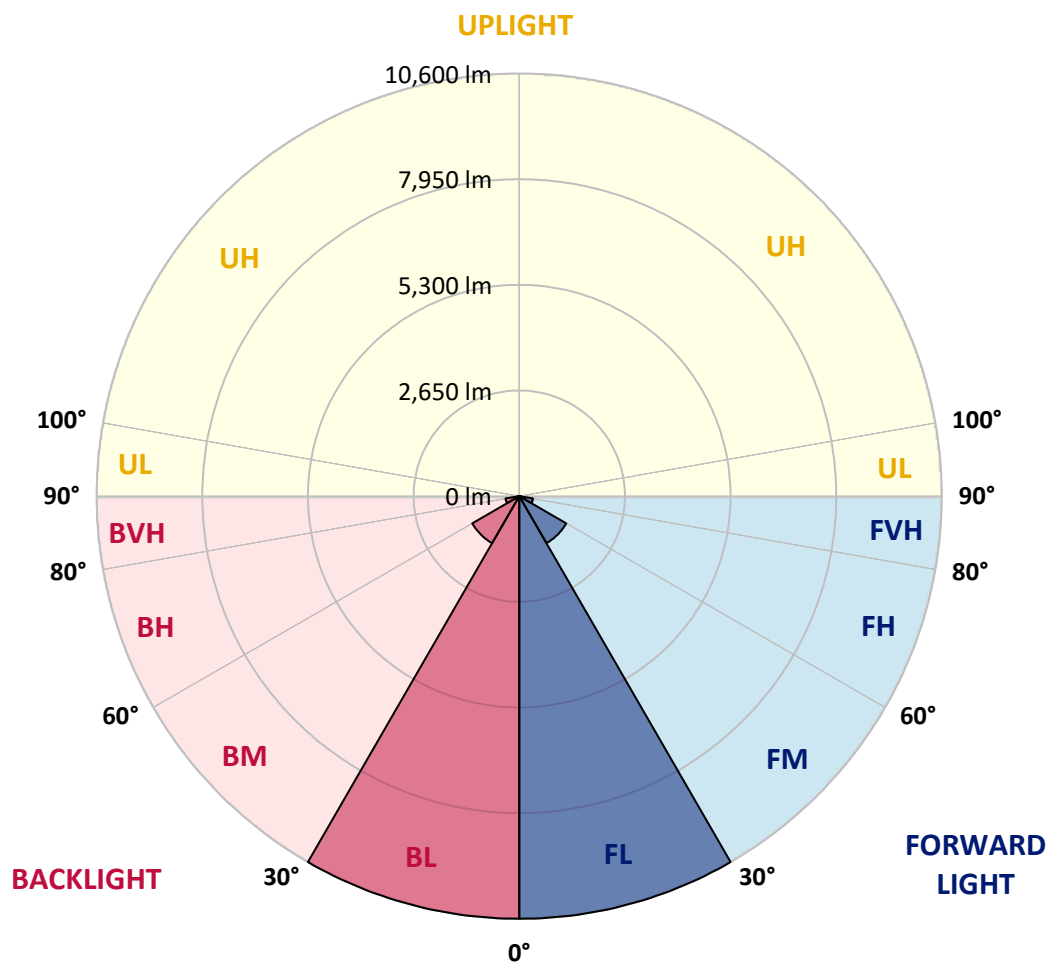
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10600.1	42.9			
FM	(30°-60°)	1362.7	5.5			
FH	(60°-80°)	350.1	1.4			G0/660
FVH	(80°-90°)	44.1	0.2			G1/100
BL	(0°-30°)	10600.1	42.9	B5		
BM	(30°-60°)	1362.7	5.5	B2/2500		
BH	(60°-80°)	350.1	1.4	B1/500		G0/660
BVH	(80°-90°)	44.1	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°	74073.7
1°	73688.1
2°	72697.2
3°	71054.0
4°	68693.7
5°	65648.7
6°	61919.1
7°	57749.8
8°	53223.8
9°	48669.0
10°	44312.3
11°	40391.7
12°	36957.6
13°	34136.0
14°	31887.4
15°	30118.1
17.5°	26842.5
20°	23794.0
22.5°	20222.9
25°	16075.2
27.5°	11347.4
30°	6165.6
32.5°	3545.9
35°	2367.5
37.5°	1614.4
40°	1149.5
42.5°	890.1
45°	695.5
47.5°	569.4
50°	522.5
52.5°	497.3
55°	486.5
57.5°	504.5
60°	533.3
62.5°	522.5
65°	464.9
67.5°	400.0
70°	338.7
72.5°	281.1
75°	230.6
77.5°	187.4
80°	151.3
82.5°	122.5
85°	93.7
87.5°	32.4

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)