

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: P525492

Luminaire Tested: **IFLD-M-SA4C-930-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525492
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4C-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (64) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18706.7 lumens
Efficiency: N/A
Efficacy: 85.8 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): 218.1
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

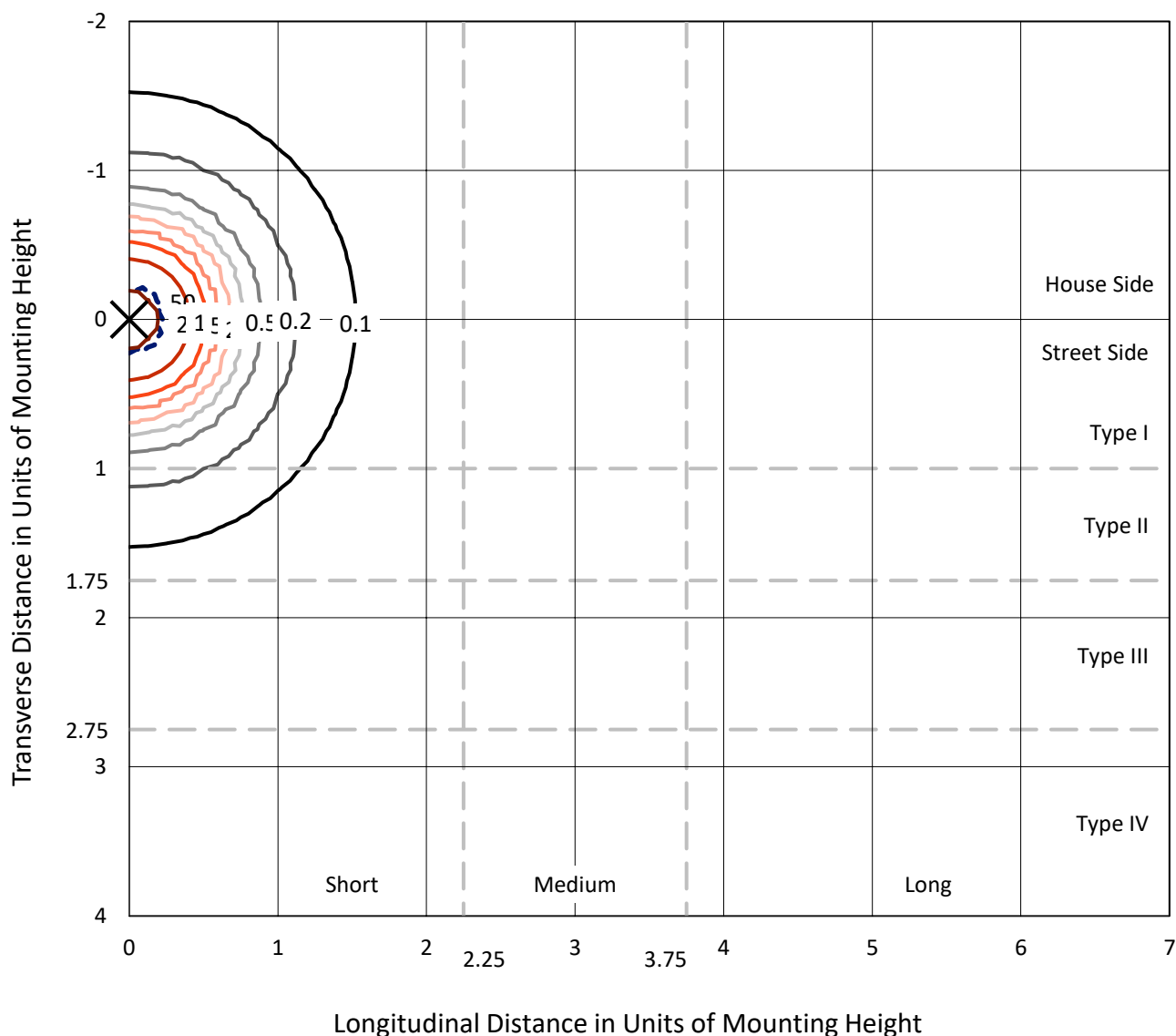
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

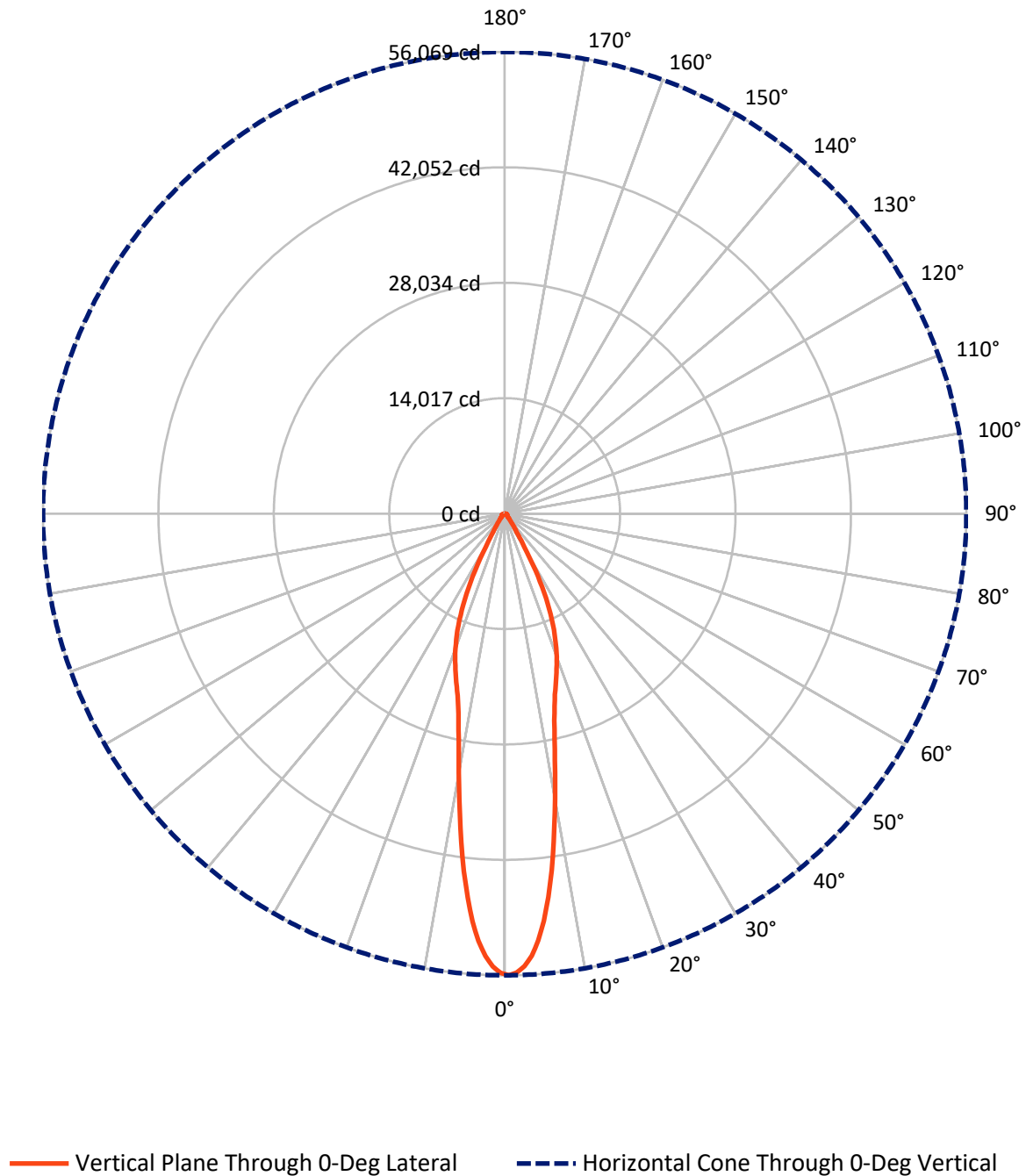


Based on 25 foot mounting height. Maximum calculated value = 89.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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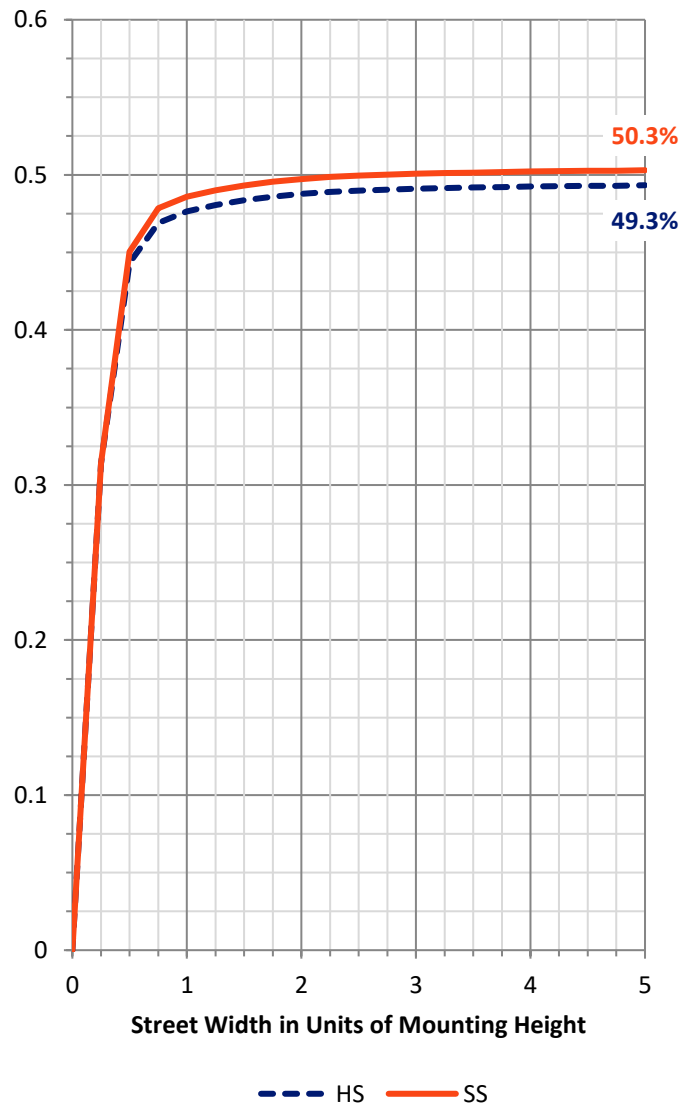
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9353.4	0.0	9353.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9353.4	0.0	9353.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	18706.7	0.0	18706.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4197.2	22.4
10°-20°	6545.7	35.0
20°-30°	5304.2	28.4
30°-40°	1287.3	6.9
40°-50°	433.2	2.3
50°-60°	342.4	1.8
60°-70°	341.5	1.8
70°-80°	188.5	1.0
80°-90°	66.8	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°	18706.7	100.0
0°-180°	18706.7	100.0

Coefficient of Utilization



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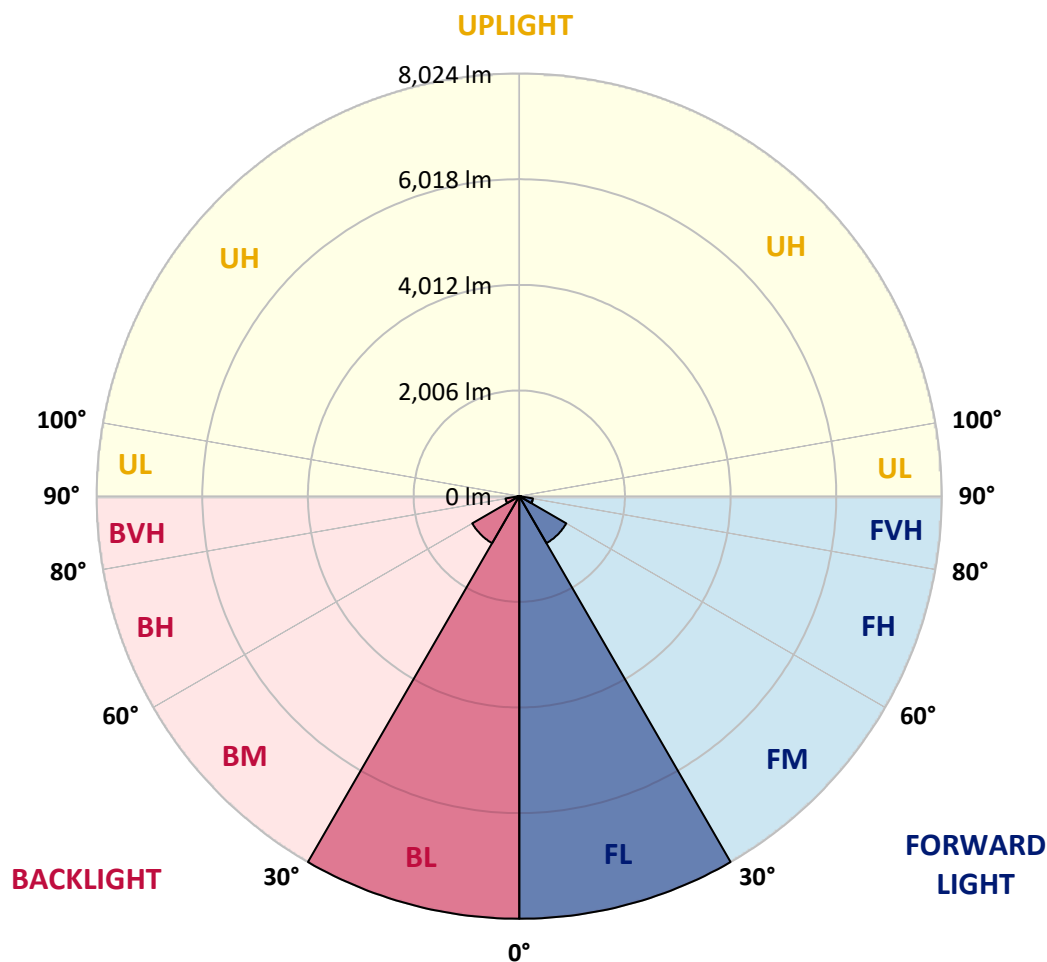
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8023.5	42.9			
FM	(30°-60°)	1031.5	5.5			
FH	(60°-80°)	265.0	1.4			G0/660
FVH	(80°-90°)	33.4	0.2			G1/100
BL	(0°-30°)	8023.5	42.9	B5		
BM	(30°-60°)	1031.5	5.5	B2/2500		
BH	(60°-80°)	265.0	1.4	B1/500		G0/660
BVH	(80°-90°)	33.4	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°	56068.8
1°	55777.0
2°	55026.9
3°	53783.1
4°	51996.5
5°	49691.7
6°	46868.6
7°	43712.7
8°	40286.9
9°	36839.1
10°	33541.5
11°	30573.8
12°	27974.4
13°	25838.7
14°	24136.7
15°	22797.4
17.5°	20318.0
20°	18010.4
22.5°	15307.4
25°	12167.9
27.5°	8589.3
30°	4666.9
32.5°	2684.0
35°	1792.0
37.5°	1222.0
40°	870.1
42.5°	673.7
45°	526.4
47.5°	431.0
50°	395.5
52.5°	376.4
55°	368.2
57.5°	381.9
60°	403.7
62.5°	395.5
65°	351.9
67.5°	302.8
70°	256.4
72.5°	212.8
75°	174.6
77.5°	141.8
80°	114.6
82.5°	92.7
85°	70.9
87.5°	24.5

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)