

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: P525608

Luminaire Tested: **IFLD-M-SA4B-950-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525608
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-950-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (64) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16966.5 lumens
Efficiency: N/A
Efficacy: 102.1 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): 166.1
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

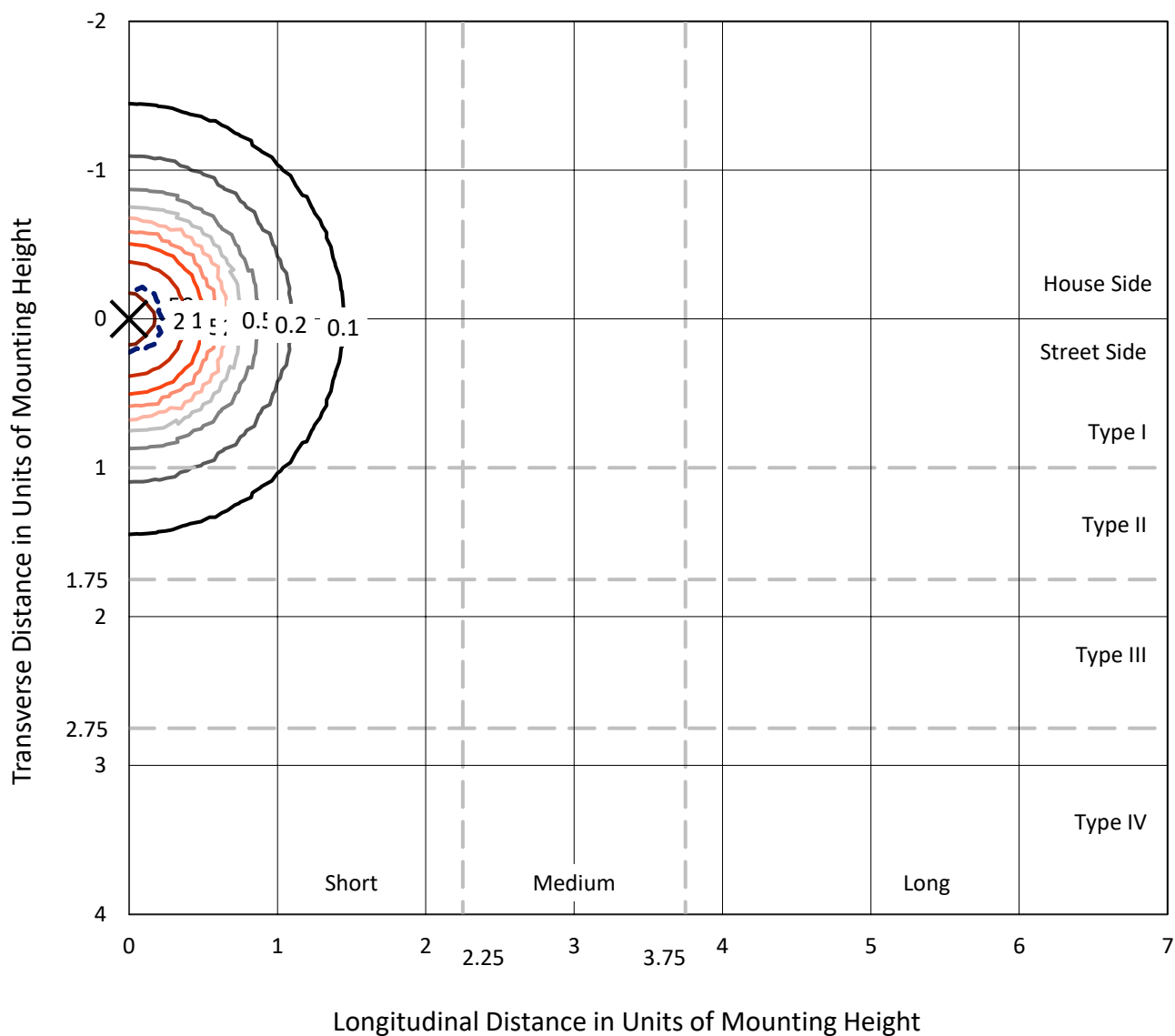
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

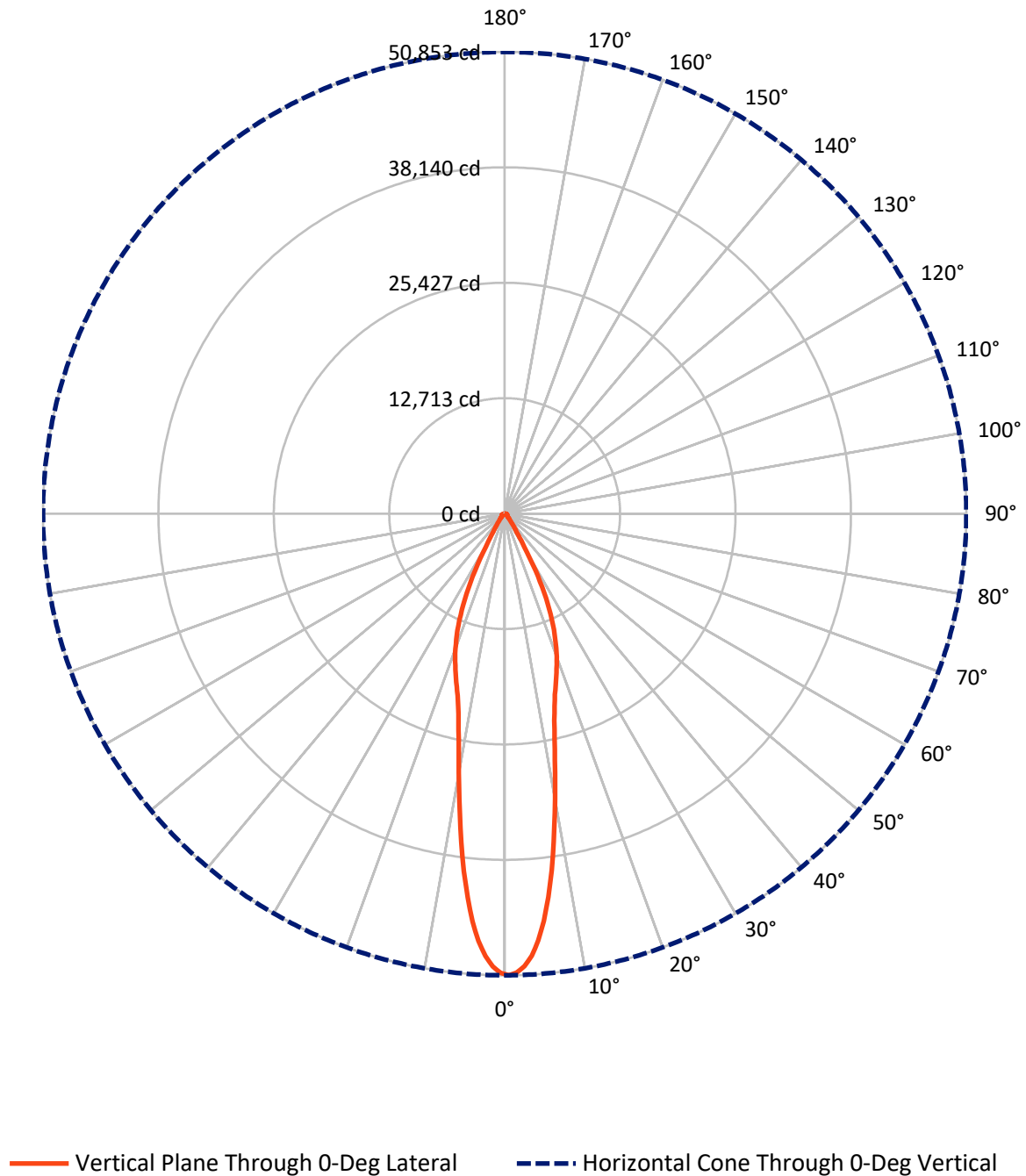


Based on 25 foot mounting height. Maximum calculated value = 81.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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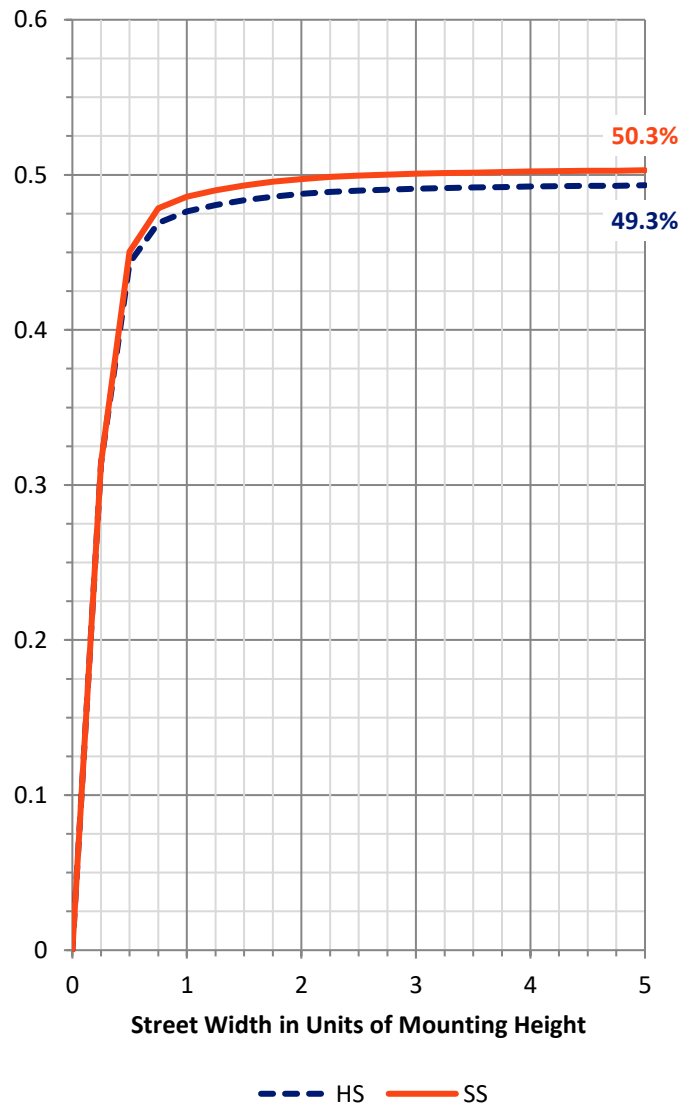
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8483.3	0.0	8483.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8483.3	0.0	8483.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	16966.5	0.0	16966.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3806.7	22.4
10°-20°	5936.8	35.0
20°-30°	4810.8	28.4
30°-40°	1167.6	6.9
40°-50°	392.9	2.3
50°-60°	310.5	1.8
60°-70°	309.7	1.8
70°-80°	170.9	1.0
80°-90°	60.6	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°	16966.5	100.0
0°-180°	16966.5	100.0

Coefficient of Utilization



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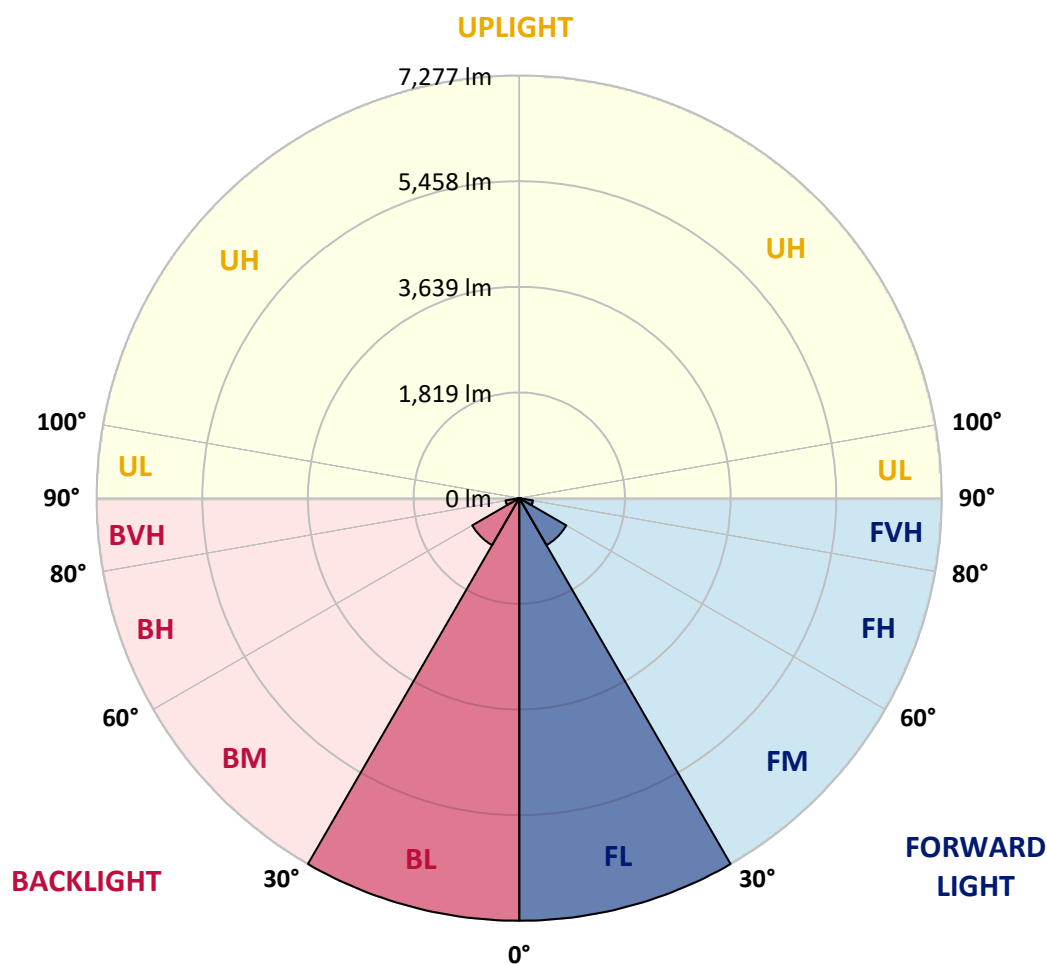
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7277.2	42.9			
FM	(30°-60°)	935.5	5.5			
FH	(60°-80°)	240.3	1.4			G0/660
FVH	(80°-90°)	30.3	0.2			G1/100
BL	(0°-30°)	7277.2	42.9	B5		
BM	(30°-60°)	935.5	5.5	B1/1000		
BH	(60°-80°)	240.3	1.4	B1/500		G0/660
BVH	(80°-90°)	30.3	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	50853.1
1°	50588.4
2°	49908.1
3°	48780.0
4°	47159.6
5°	45069.2
6°	42508.7
7°	39646.4
8°	36539.3
9°	33412.3
10°	30421.3
11°	27729.8
12°	25372.1
13°	23435.1
14°	21891.4
15°	20676.7
17.5°	18428.0
20°	16335.0
22.5°	13883.4
25°	11036.0
27.5°	7790.3
30°	4232.8
32.5°	2434.3
35°	1625.3
37.5°	1108.3
40°	789.2
42.5°	611.0
45°	477.5
47.5°	390.9
50°	358.7
52.5°	341.4
55°	334.0
57.5°	346.3
60°	366.1
62.5°	358.7
65°	319.1
67.5°	274.6
70°	232.5
72.5°	193.0
75°	158.3
77.5°	128.6
80°	103.9
82.5°	84.1
85°	64.3
87.5°	22.3

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)