

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: P525535

Luminaire Tested: **IFLD-L-SA7B-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525535
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24309.4 lumens
Efficiency: N/A
Efficacy: 86.5 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): 281
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

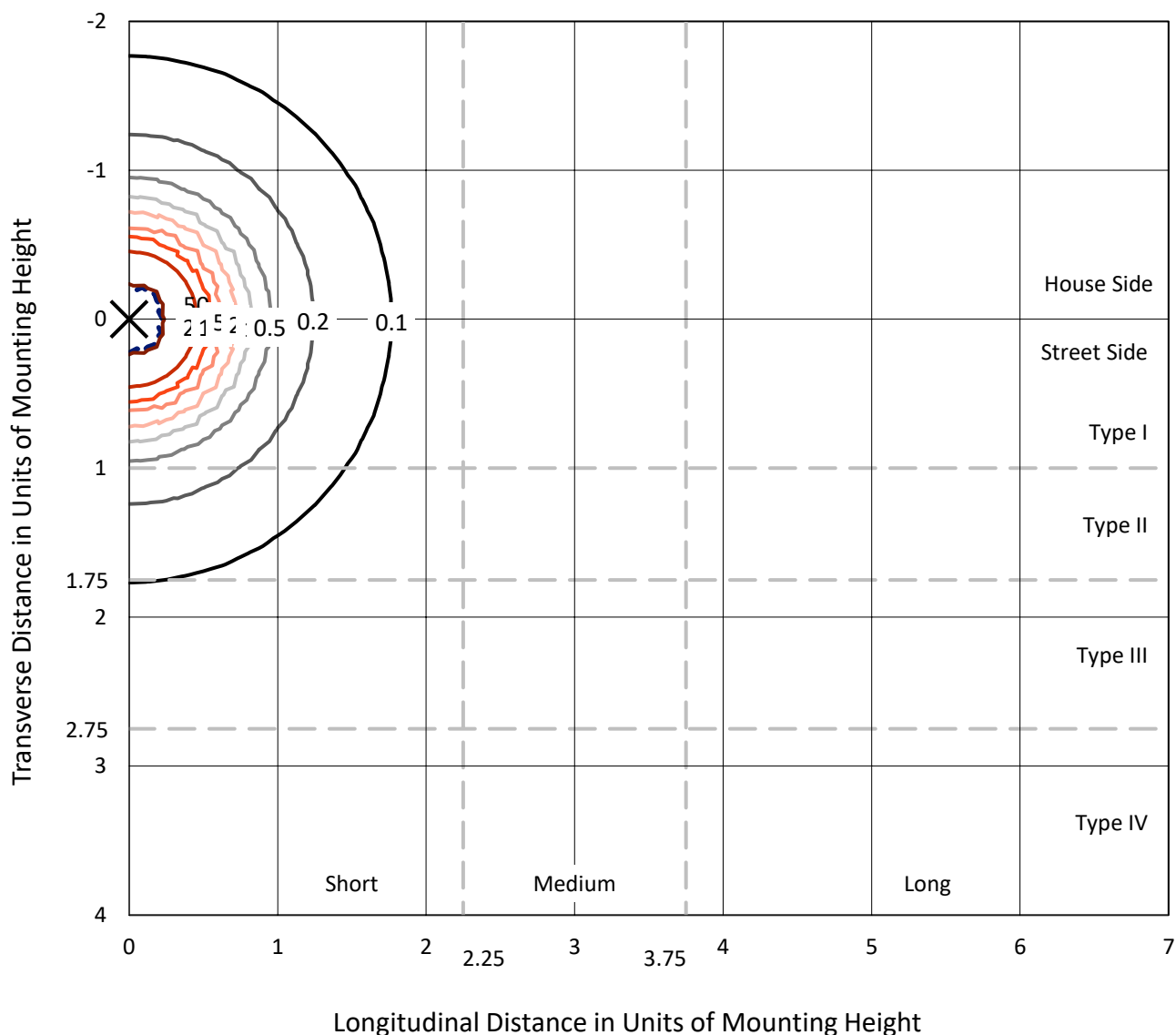
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

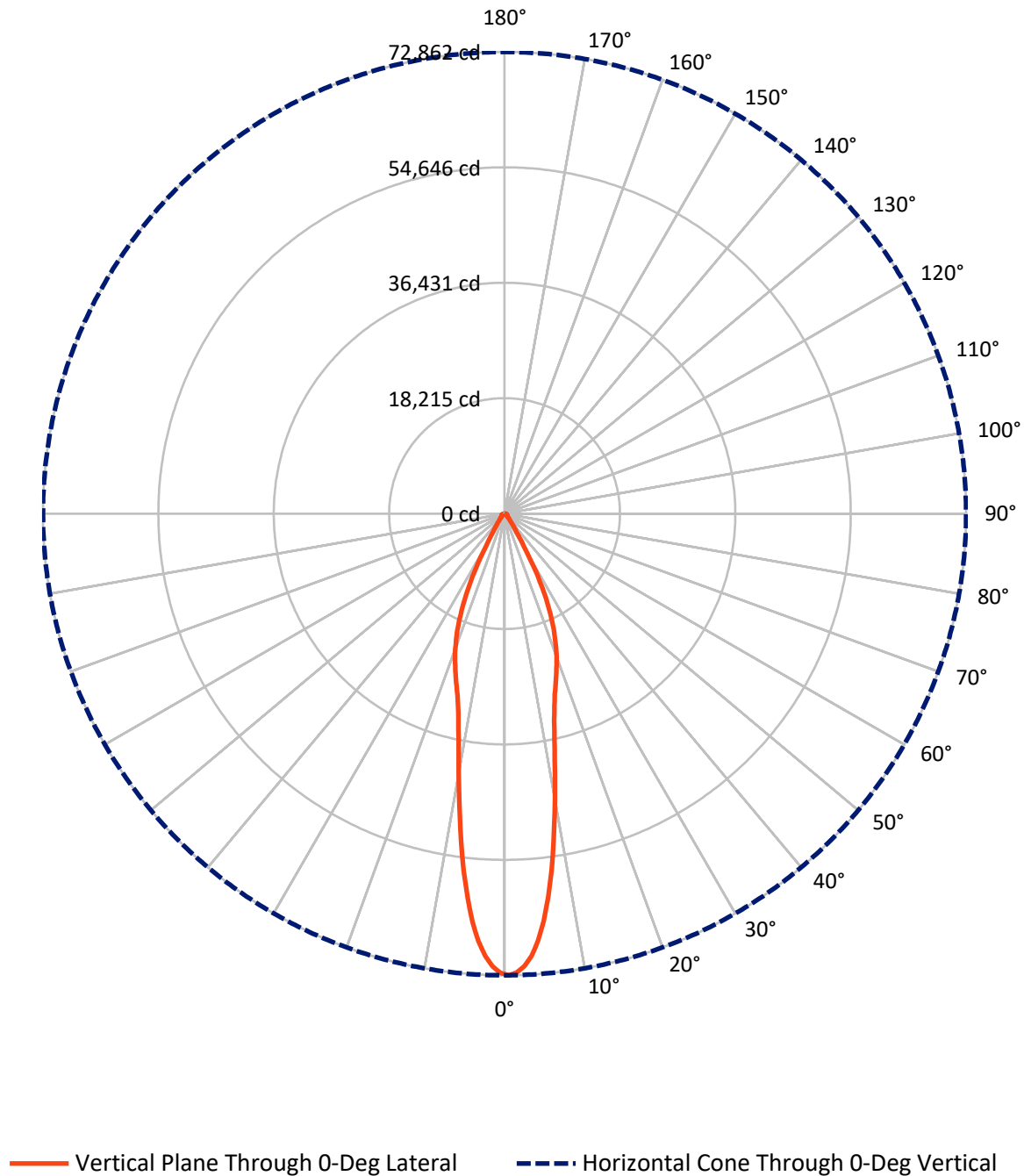


Based on 25 foot mounting height. Maximum calculated value = 116.6 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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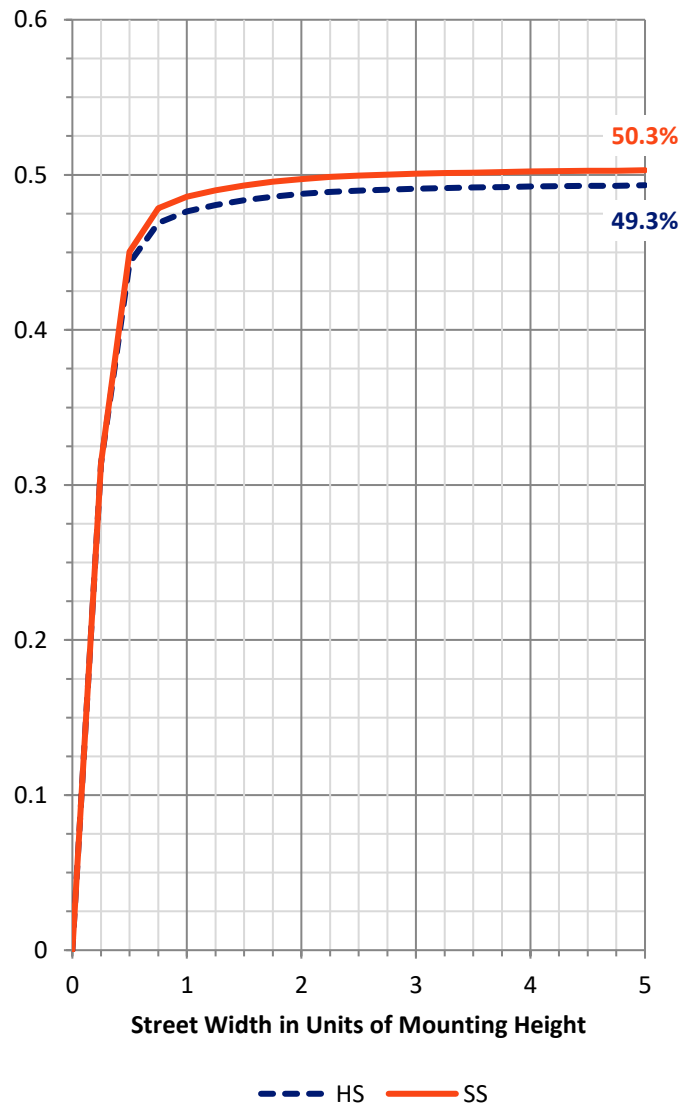
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12154.7	0.0	12154.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12154.7	0.0	12154.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	24309.4	0.0	24309.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5454.2	22.4
10°-20°	8506.1	35.0
20°-30°	6892.8	28.4
30°-40°	1672.9	6.9
40°-50°	563.0	2.3
50°-60°	444.9	1.8
60°-70°	443.7	1.8
70°-80°	244.9	1.0
80°-90°	86.8	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°	24309.4	100.0
0°-180°	24309.4	100.0

Coefficient of Utilization



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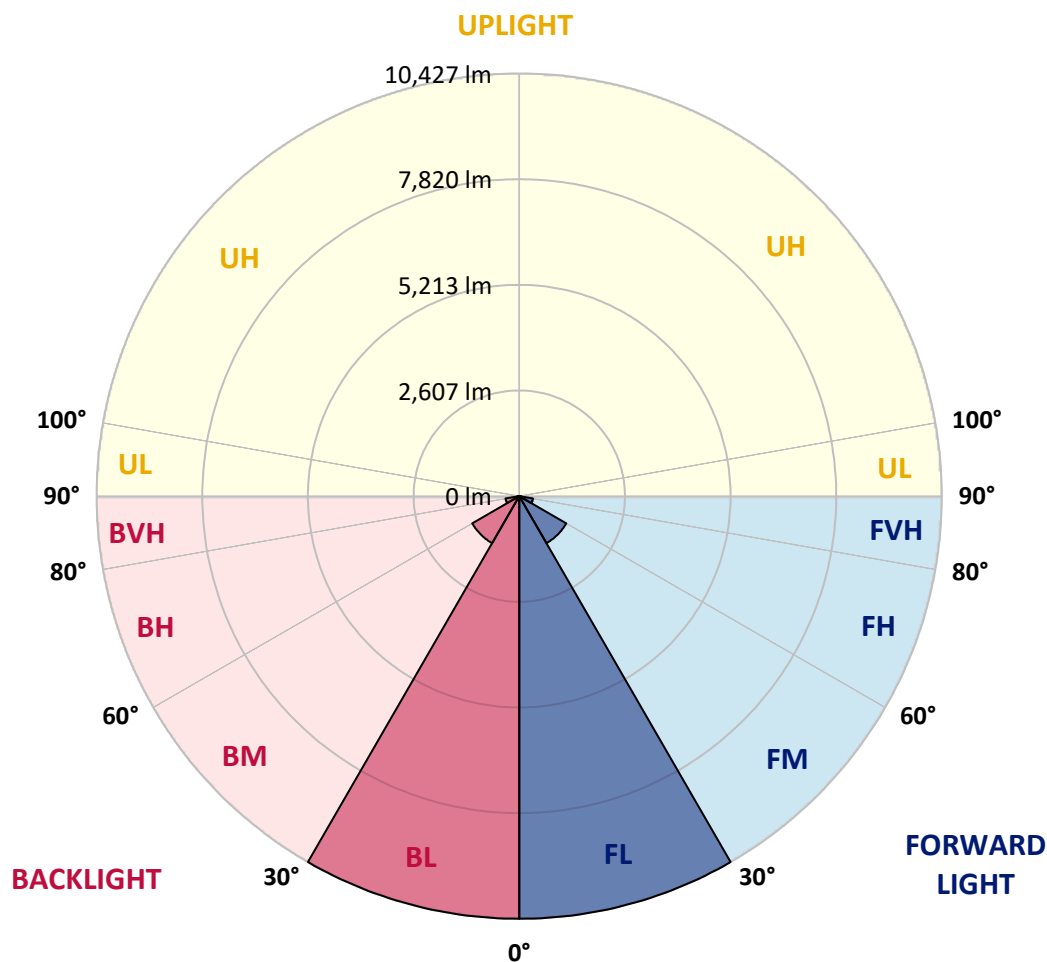
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	10426.6	42.9			
FM	(30°-60°)	1340.4	5.5			
FH	(60°-80°)	344.3	1.4			G0/660
FVH	(80°-90°)	43.4	0.2			G1/100
BL	(0°-30°)	10426.6	42.9	B5		
BM	(30°-60°)	1340.4	5.5	B2/2500		
BH	(60°-80°)	344.3	1.4	B1/500		G0/660
BVH	(80°-90°)	43.4	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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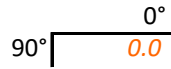
CANDELA DISTRIBUTION (FULL):

0°	
0°	72861.5
1°	72482.2
2°	71507.4
3°	69891.1
4°	67569.5
5°	64574.3
6°	60905.7
7°	56804.7
8°	52352.8
9°	47872.5
10°	43587.1
11°	39730.7
12°	36352.7
13°	33577.4
14°	31365.6
15°	29625.2
17.5°	26403.2
20°	23404.6
22.5°	19891.9
25°	15812.2
27.5°	11161.7
30°	6064.7
32.5°	3487.8
35°	2328.8
37.5°	1588.0
40°	1130.7
42.5°	875.5
45°	684.1
47.5°	560.0
50°	514.0
52.5°	489.1
55°	478.5
57.5°	496.2
60°	524.6
62.5°	514.0
65°	457.2
67.5°	393.4
70°	333.2
72.5°	276.5
75°	226.9
77.5°	184.3
80°	148.9
82.5°	120.5
85°	92.2
87.5°	31.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)