

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: P525497

Luminaire Tested: **IFLD-L-SA7C-930-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525497
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (112) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29167.7 lumens
Efficiency: N/A
Efficacy: 79.0 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): 369
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

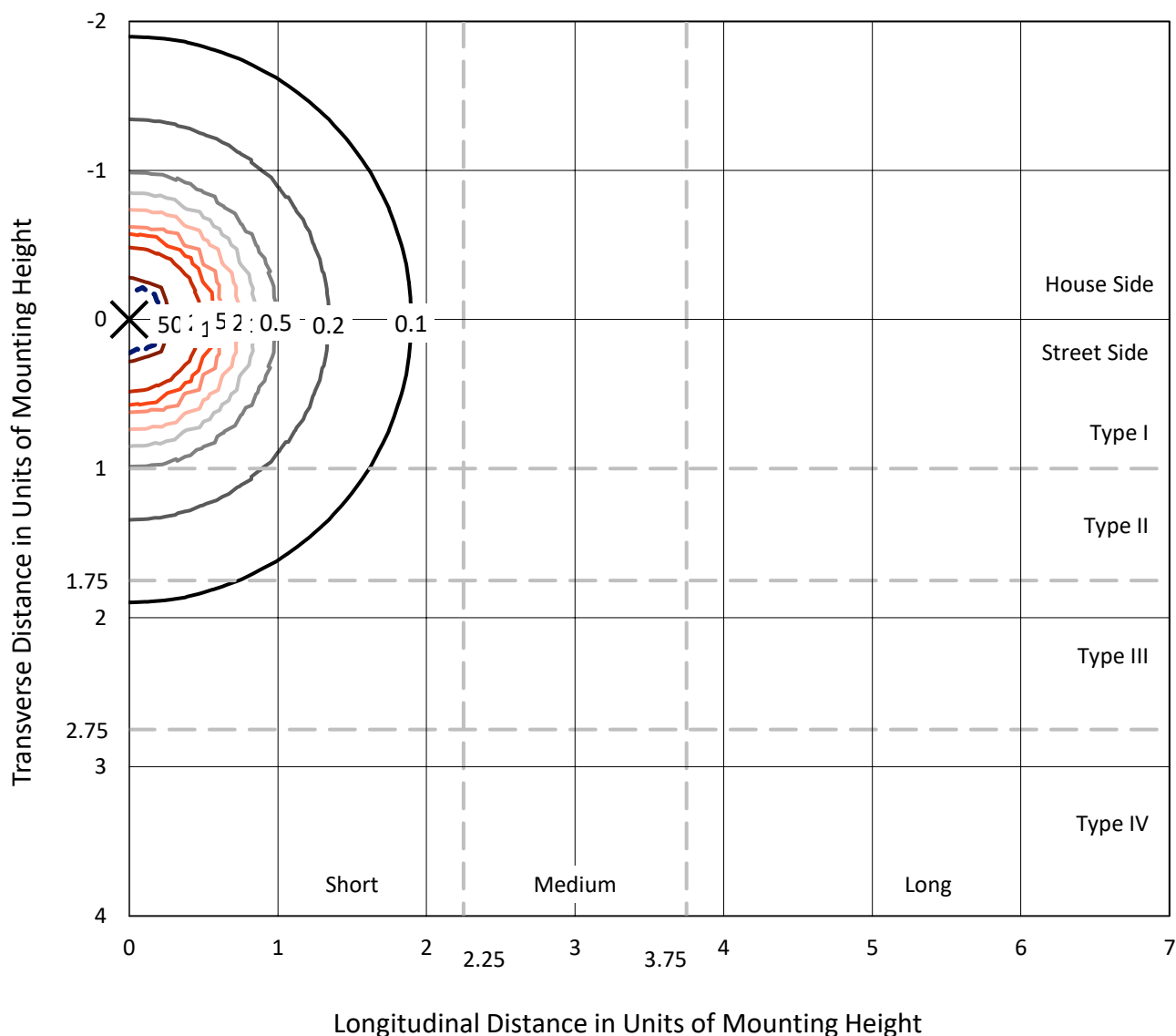
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

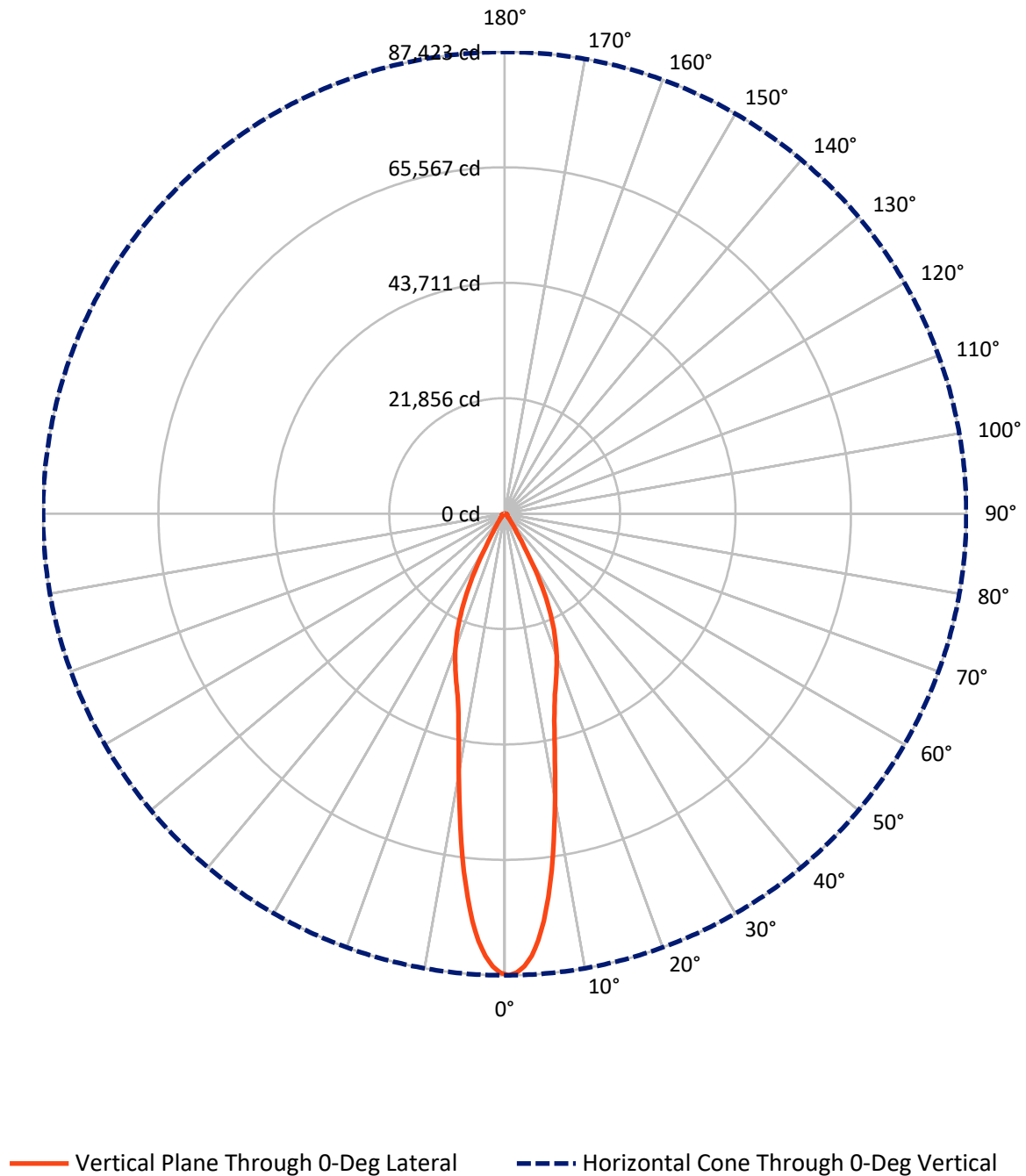


Based on 25 foot mounting height. Maximum calculated value = 139.9 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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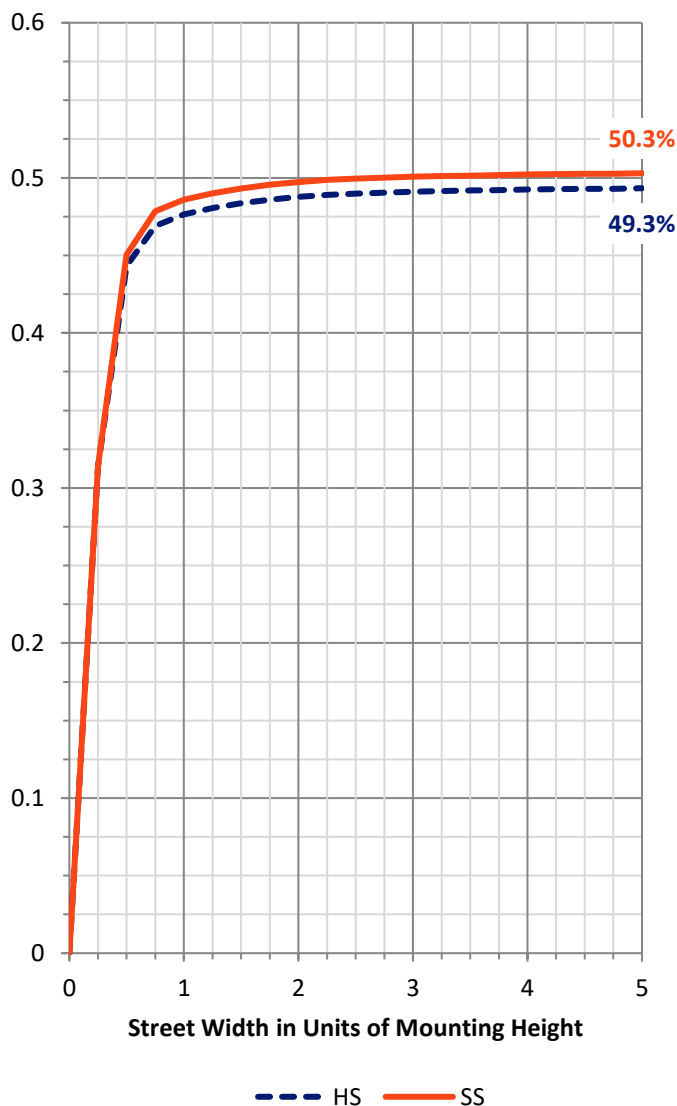
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14583.8	0.0	14583.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14583.8	0.0	14583.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	29167.7	0.0	29167.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6544.2	22.4
10°-20°	10206.1	35.0
20°-30°	8270.3	28.4
30°-40°	2007.2	6.9
40°-50°	675.5	2.3
50°-60°	533.8	1.8
60°-70°	532.4	1.8
70°-80°	293.8	1.0
80°-90°	104.2	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°	29167.7	100.0
0°-180°	29167.7	100.0

Coefficient of Utilization



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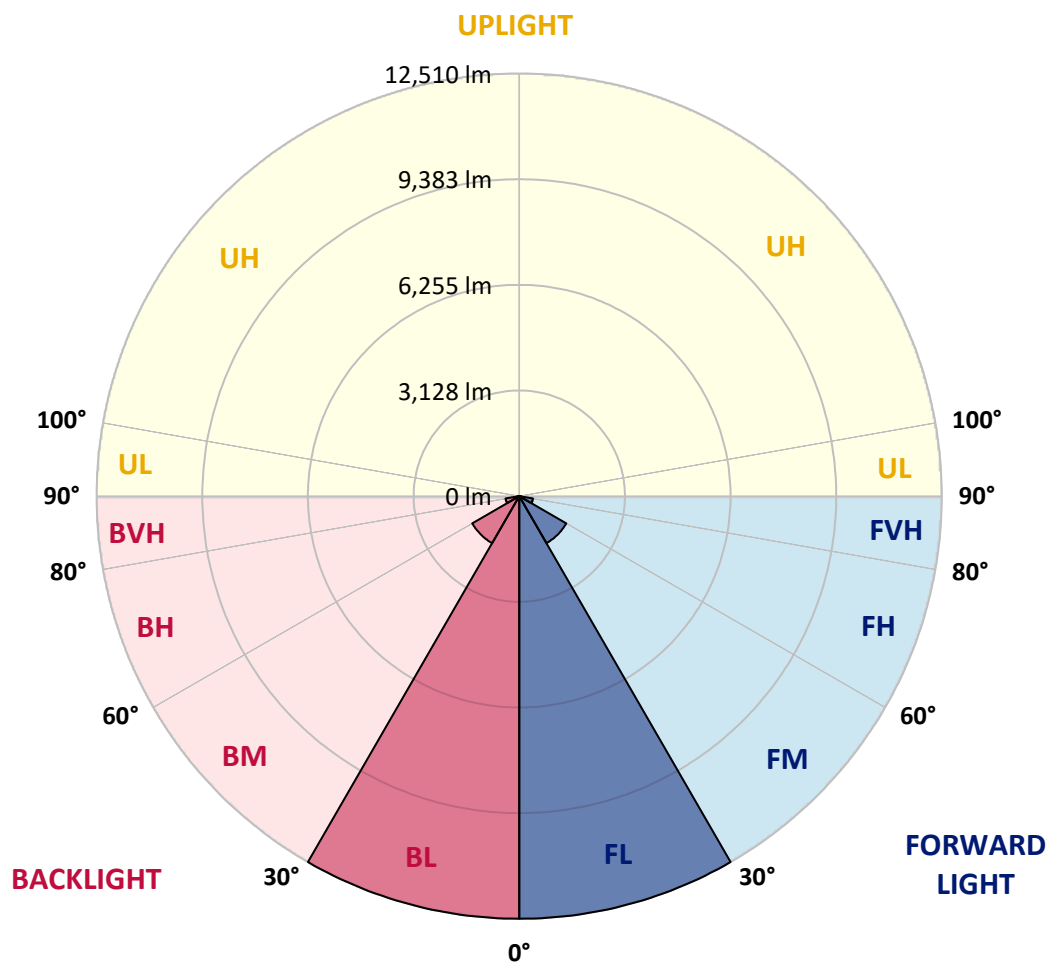
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12510.3	42.9			
FM	(30°-60°)	1608.3	5.5			
FH	(60°-80°)	413.1	1.4			G0/660
FVH	(80°-90°)	52.1	0.2			G1/100
BL	(0°-30°)	12510.3	42.9	B5		
BM	(30°-60°)	1608.3	5.5	B2/2500		
BH	(60°-80°)	413.1	1.4	B1/500		G0/660
BVH	(80°-90°)	52.1	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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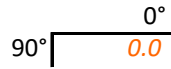
CANDELA DISTRIBUTION (FULL):

0°	
0°	87422.9
1°	86967.8
2°	85798.2
3°	83858.9
4°	81073.3
5°	77479.5
6°	73077.8
7°	68157.2
8°	62815.5
9°	57439.8
10°	52298.1
11°	47670.9
12°	43617.9
13°	40287.8
14°	37634.0
15°	35545.8
17.5°	31679.9
20°	28082.0
22.5°	23867.3
25°	18972.2
27.5°	13392.4
30°	7276.7
32.5°	4184.9
35°	2794.2
37.5°	1905.3
40°	1356.7
42.5°	1050.5
45°	820.8
47.5°	672.0
50°	616.7
52.5°	586.9
55°	574.1
57.5°	595.4
60°	629.4
62.5°	616.7
65°	548.6
67.5°	472.1
70°	399.8
72.5°	331.7
75°	272.2
77.5°	221.2
80°	178.6
82.5°	144.6
85°	110.6
87.5°	38.3



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)