

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: P525500

Luminaire Tested: **IFLD-L-SA8A-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525500
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22171 lumens
Efficiency: N/A
Efficacy: 89.5 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): 247.8
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

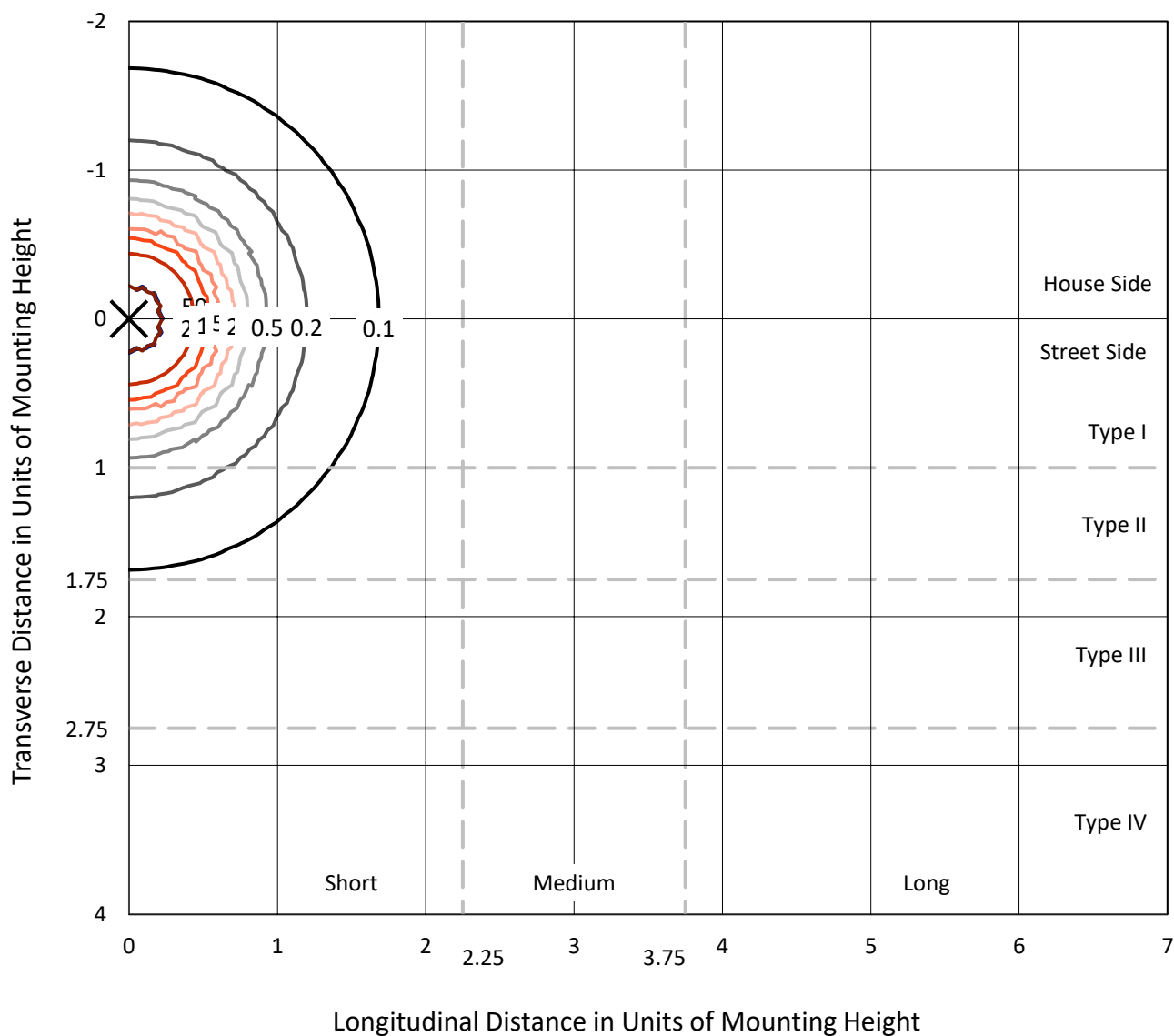
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

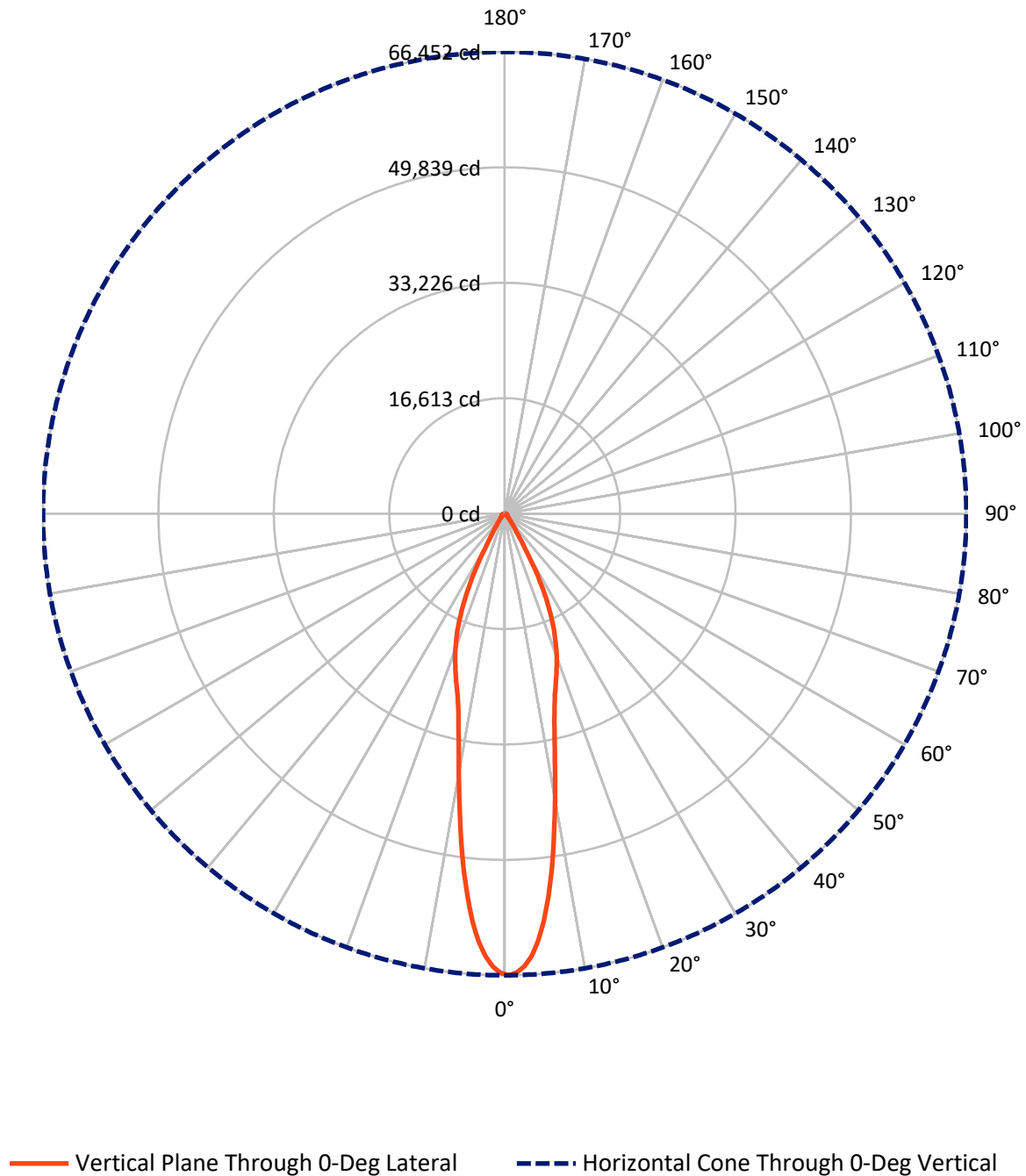


Based on 25 foot mounting height. Maximum calculated value = 106.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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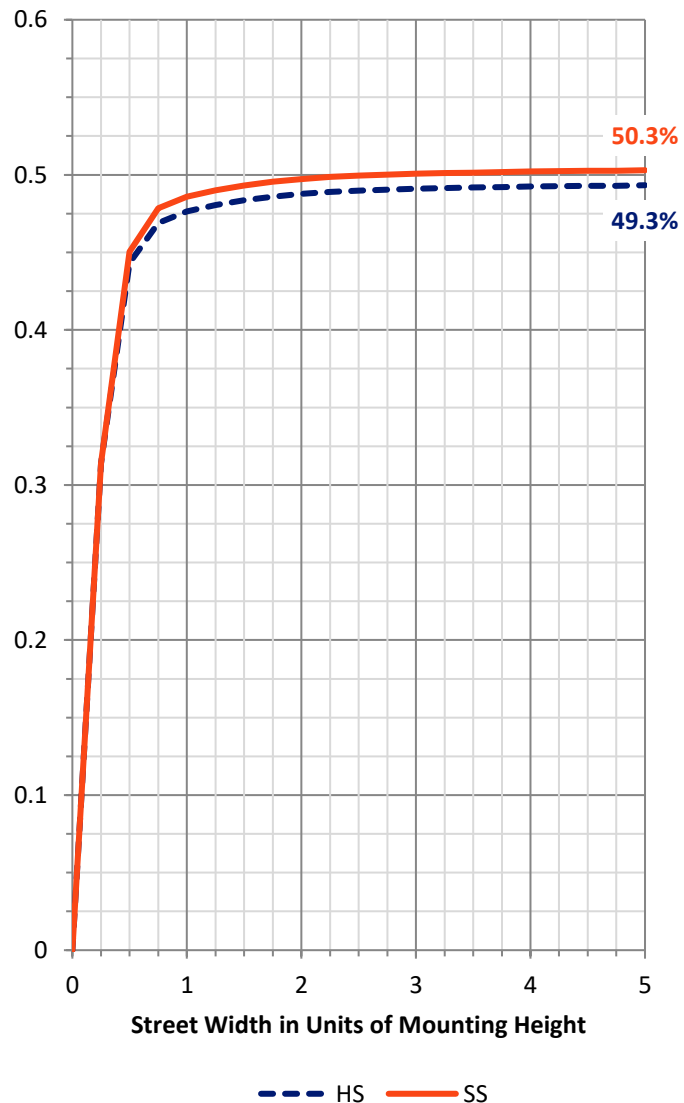
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11085.5	0.0	11085.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11085.5	0.0	11085.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22171.0	0.0	22171.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4974.4	22.4
10°-20°	7757.9	35.0
20°-30°	6286.5	28.4
30°-40°	1525.7	6.9
40°-50°	513.5	2.3
50°-60°	405.7	1.8
60°-70°	404.7	1.8
70°-80°	223.4	1.0
80°-90°	79.2	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°	22171.0	100.0
0°-180°	22171.0	100.0

Coefficient of Utilization



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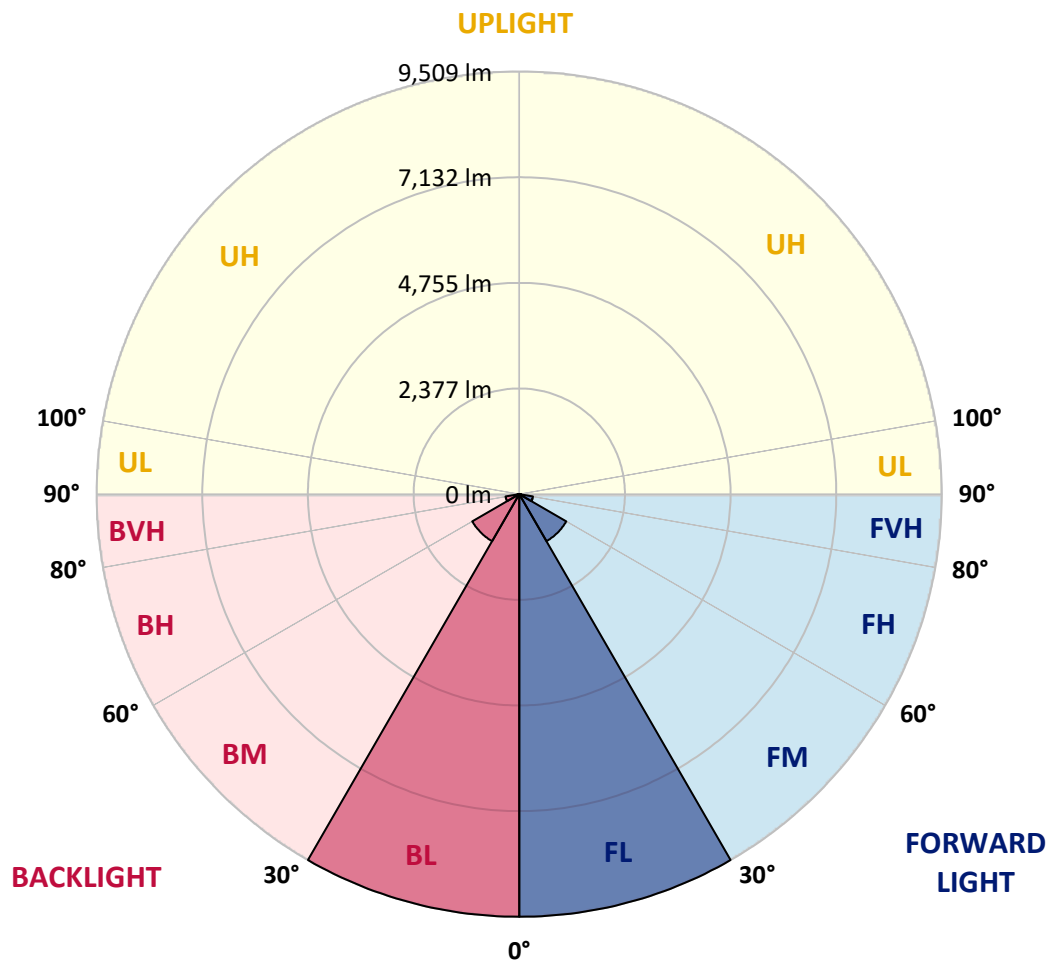
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9509.4	42.9			
FM	(30°-60°)	1222.5	5.5			
FH	(60°-80°)	314.0	1.4			G0/660
FVH	(80°-90°)	39.6	0.2			G1/100
BL	(0°-30°)	9509.4	42.9	B5		
BM	(30°-60°)	1222.5	5.5	B2/2500		
BH	(60°-80°)	314.0	1.4	B1/500		G0/660
BVH	(80°-90°)	39.6	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°	66452.2
1°	66106.2
2°	65217.2
3°	63743.1
4°	61625.7
5°	58894.0
6°	55548.1
7°	51807.9
8°	47747.5
9°	43661.4
10°	39753.0
11°	36235.8
12°	33155.0
13°	30623.7
14°	28606.5
15°	27019.2
17.5°	24080.7
20°	21345.8
22.5°	18142.1
25°	14421.2
27.5°	10179.9
30°	5531.2
32.5°	3181.0
35°	2123.9
37.5°	1448.3
40°	1031.2
42.5°	798.5
45°	623.9
47.5°	510.8
50°	468.7
52.5°	446.1
55°	436.4
57.5°	452.6
60°	478.4
62.5°	468.7
65°	417.0
67.5°	358.8
70°	303.9
72.5°	252.2
75°	206.9
77.5°	168.1
80°	135.8
82.5°	109.9
85°	84.1
87.5°	29.1

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)