

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: P525502

Luminaire Tested: **IFLD-L-SA8C-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525502
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-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: 32790.6 lumens
Efficiency: N/A
Efficacy: 78.0 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): 420.3
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

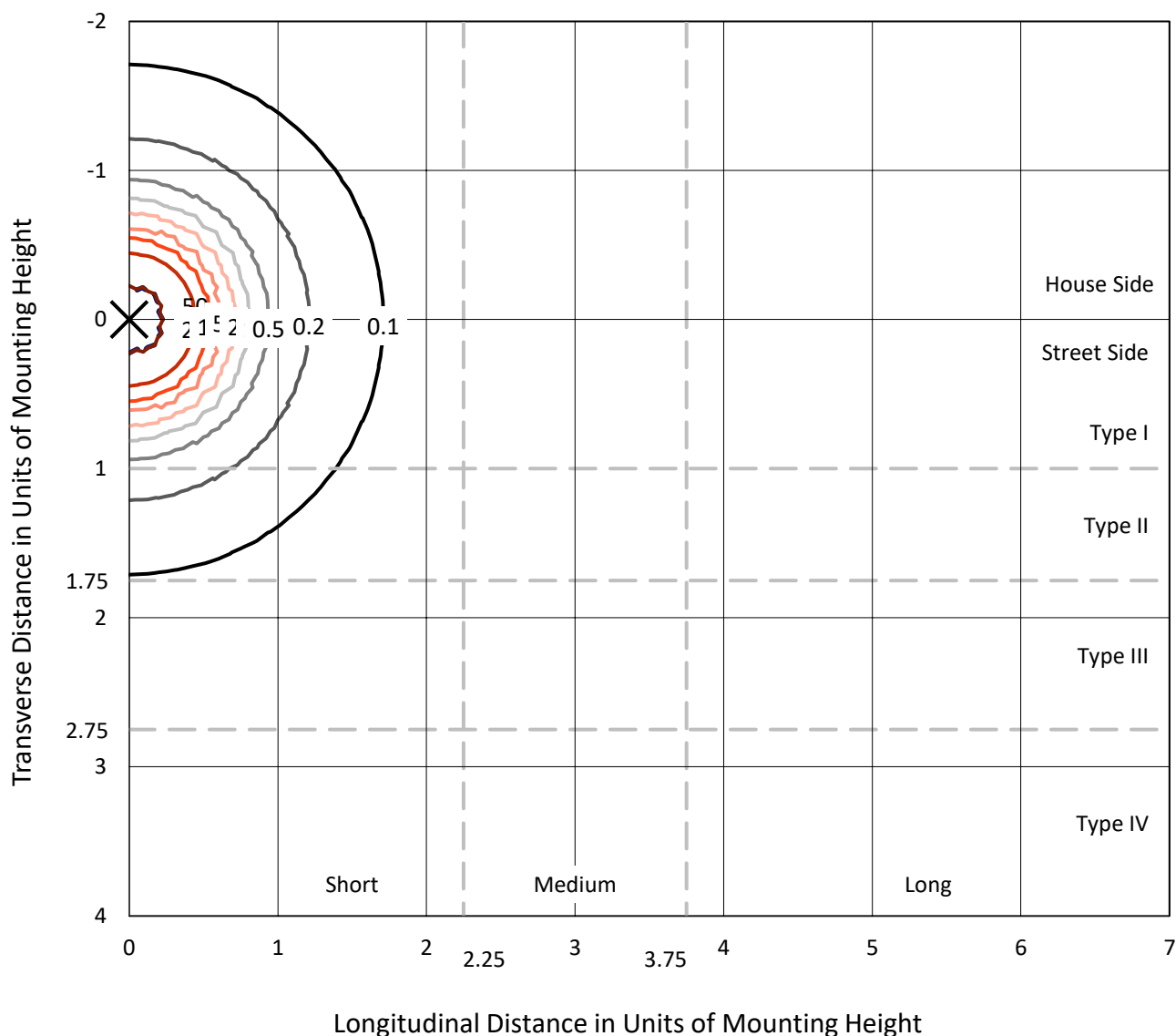
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

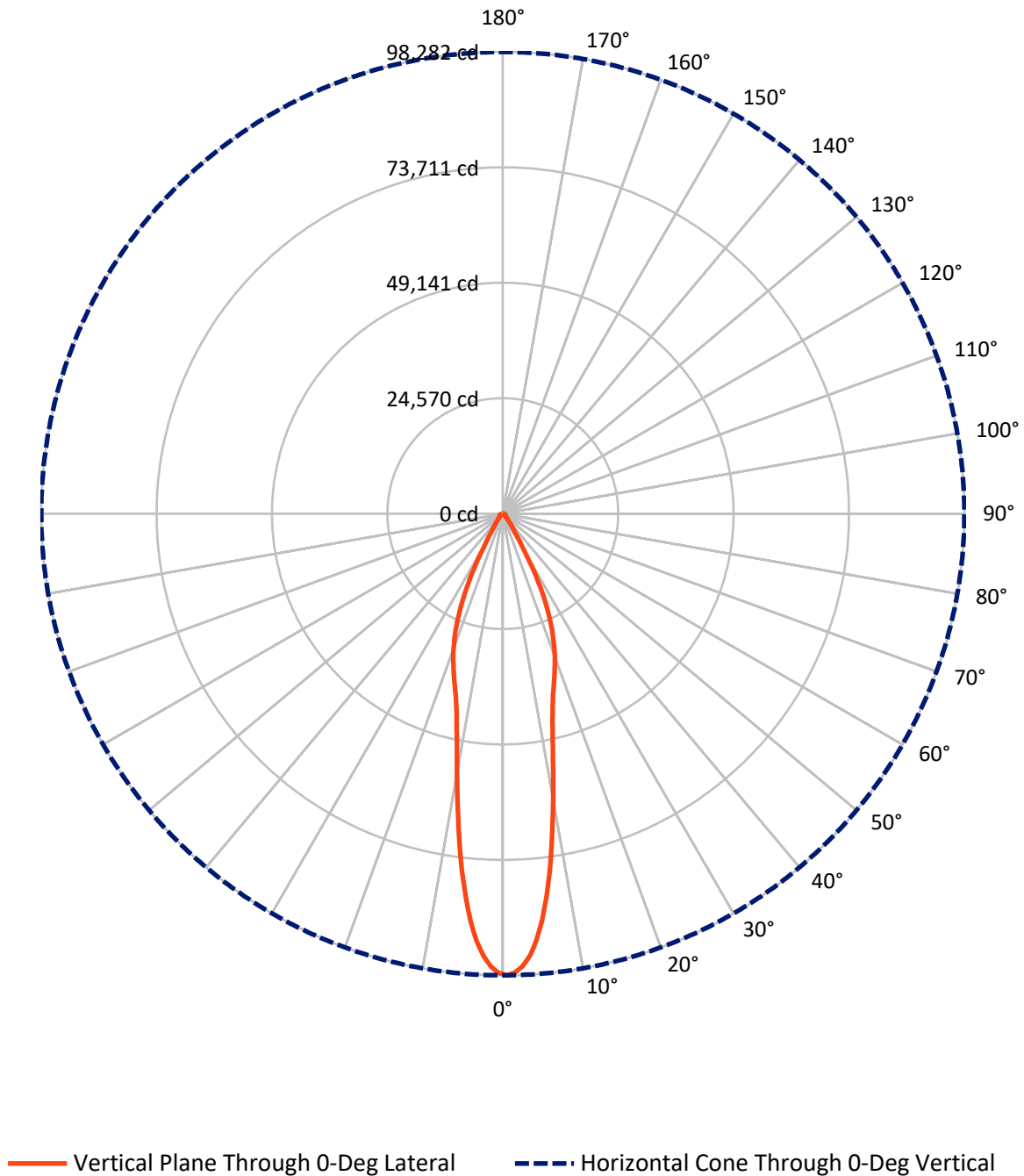


Based on 30 foot mounting height. Maximum calculated value = 109.2 fc

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	16395.3	0.0	16395.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16395.3	0.0	16395.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	32790.6	0.0	32790.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7357.1	22.4
10°-20°	11473.8	35.0
20°-30°	9297.6	28.4
30°-40°	2256.5	6.9
40°-50°	759.4	2.3
50°-60°	600.1	1.8
60°-70°	598.6	1.8
70°-80°	330.3	1.0
80°-90°	117.1	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°	32790.6	100.0
0°-180°	32790.6	100.0

Coefficient of Utilization



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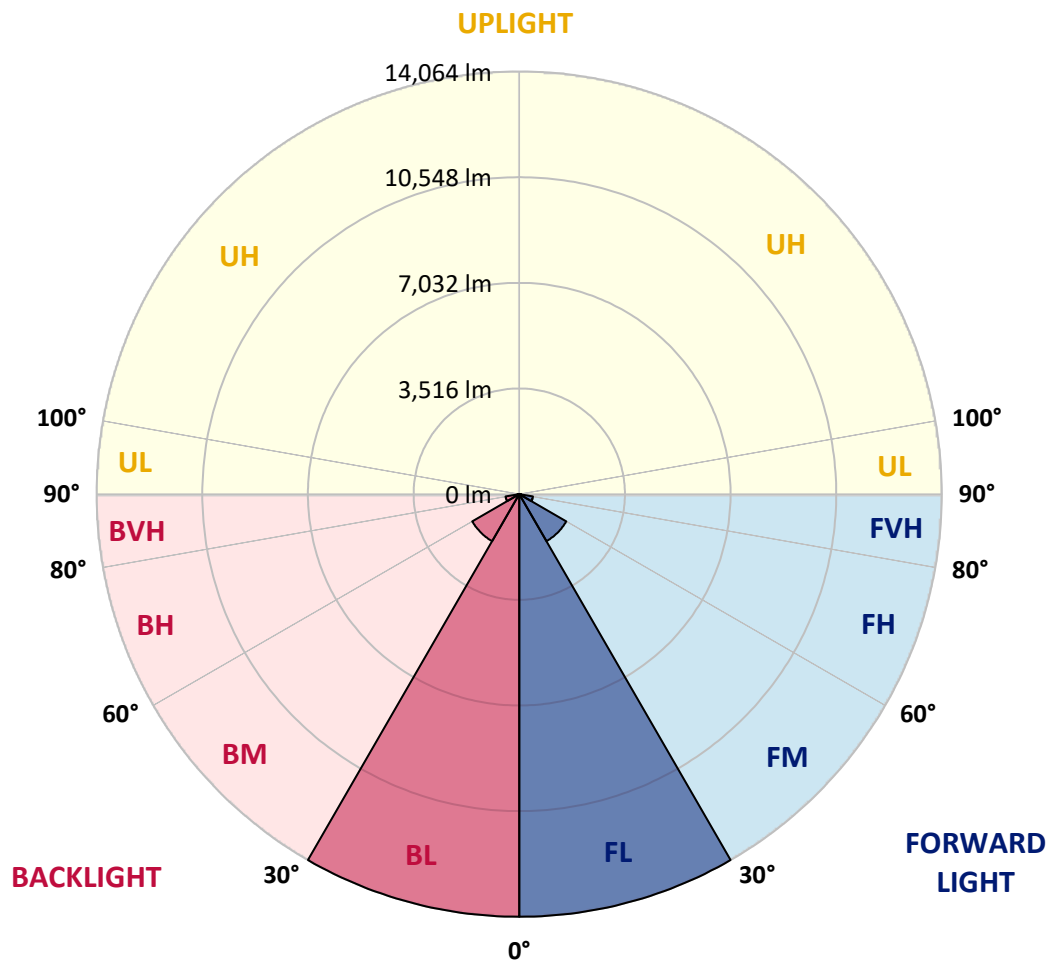
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	14064.3	42.9			
FM	(30°-60°)	1808.0	5.5			
FH	(60°-80°)	464.4	1.4			G0/660
FVH	(80°-90°)	58.5	0.2			G1/100
BL	(0°-30°)	14064.3	42.9	B5		
BM	(30°-60°)	1808.0	5.5	B2/2500		
BH	(60°-80°)	464.4	1.4	B1/500		G0/660
BVH	(80°-90°)	58.5	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°	98281.7
1°	97770.1
2°	96455.3
3°	94275.0
4°	91143.4
5°	87103.3
6°	82154.8
7°	76623.0
8°	70617.8
9°	64574.4
10°	58794.0
11°	53592.1
12°	49035.6
13°	45292.0
14°	42308.5
15°	39961.0
17.5°	35614.9
20°	31570.0
22.5°	26831.9
25°	21328.8
27.5°	15055.9
30°	8180.6
32.5°	4704.7
35°	3141.2
37.5°	2142.0
40°	1525.2
42.5°	1180.9
45°	922.8
47.5°	755.4
50°	693.3
52.5°	659.8
55°	645.5
57.5°	669.4
60°	707.6
62.5°	693.3
65°	616.8
67.5°	530.7
70°	449.4
72.5°	372.9
75°	306.0
77.5°	248.6
80°	200.8
82.5°	162.6
85°	124.3
87.5°	43.0

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)