

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: P525512

Luminaire Tested: **IFLD-S-SA3D-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525512
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15909.8 lumens
Efficiency: N/A
Efficacy: 86.4 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): 184.1
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

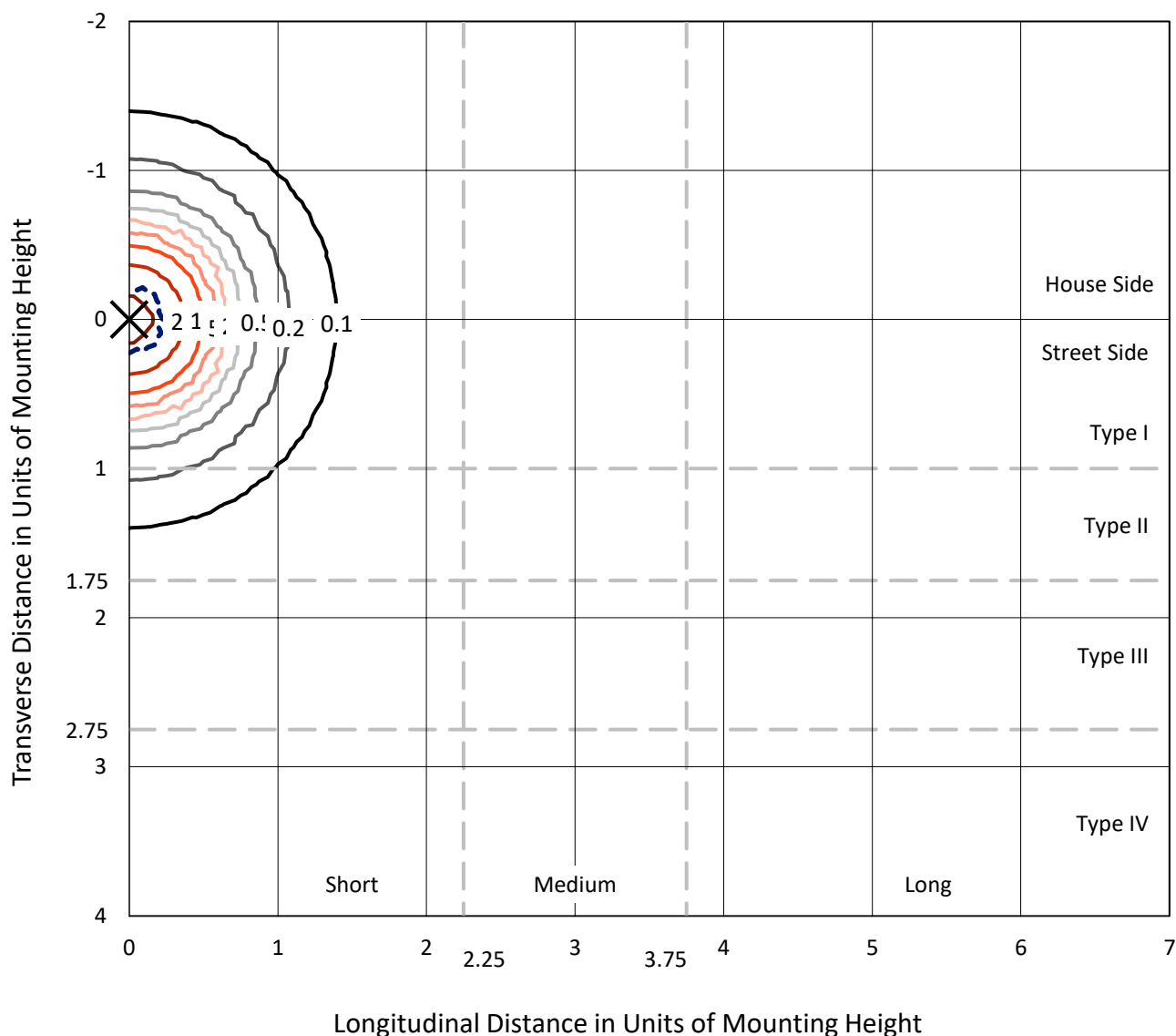
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

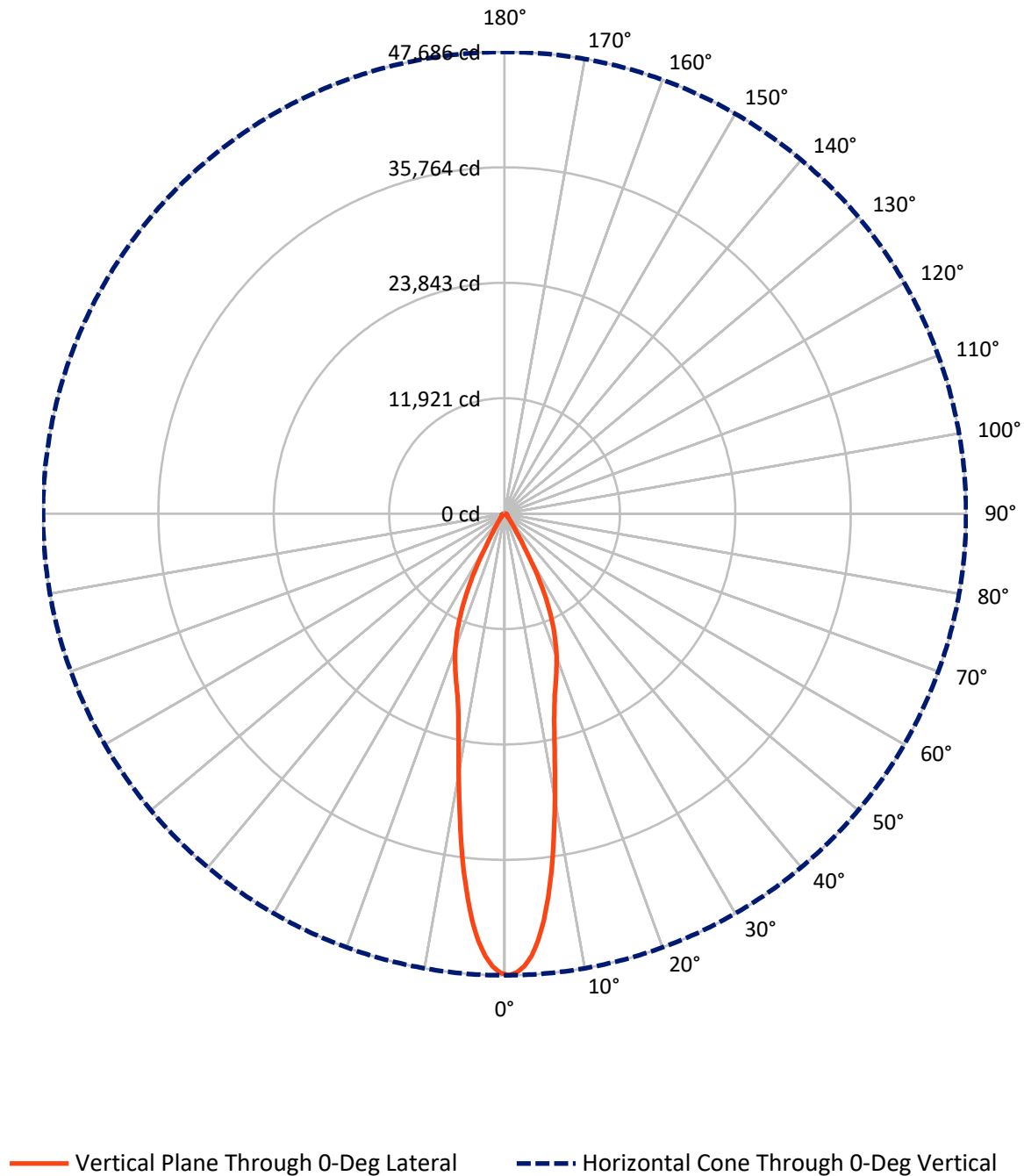


Based on 25 foot mounting height. Maximum calculated value = 76.3 fc

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	7954.9	0.0	7954.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7954.9	0.0	7954.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15909.8	0.0	15909.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3569.6	22.4
10°-20°	5567.0	35.0
20°-30°	4511.1	28.4
30°-40°	1094.9	6.9
40°-50°	368.5	2.3
50°-60°	291.2	1.8
60°-70°	290.4	1.8
70°-80°	160.3	1.0
80°-90°	56.8	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°	15909.8	100.0
0°-180°	15909.8	100.0

Coefficient of Utilization



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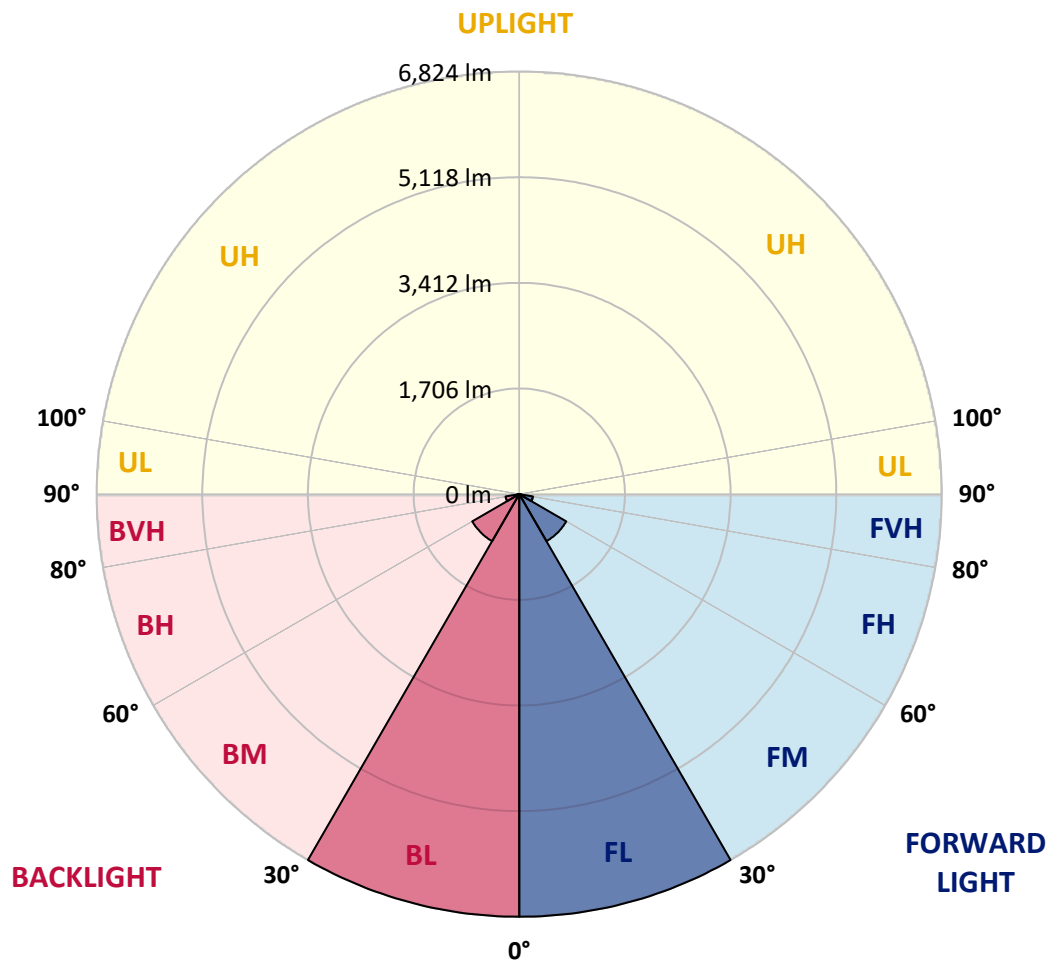
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6823.9	42.9			
FM	(30°-60°)	877.2	5.5			
FH	(60°-80°)	225.4	1.4			G0/660
FVH	(80°-90°)	28.4	0.2			G1/100
BL	(0°-30°)	6823.9	42.9	B5		
BM	(30°-60°)	877.2	5.5	B1/1000		
BH	(60°-80°)	225.4	1.4	B1/500		G0/660
BVH	(80°-90°)	28.4	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°	47685.6
1°	47437.4
2°	46799.4
3°	45741.6
4°	44222.1
5°	42261.9
6°	39860.9
7°	37176.9
8°	34263.3
9°	31331.1
10°	28526.4
11°	26002.5
12°	23791.8
13°	21975.4
14°	20527.8
15°	19388.8
17.5°	17280.1
20°	15317.6
22.5°	13018.7
25°	10348.6
27.5°	7305.0
30°	3969.2
32.5°	2282.7
35°	1524.1
37.5°	1039.3
40°	740.0
42.5°	573.0
45°	447.7
47.5°	366.5
50°	336.4
52.5°	320.1
55°	313.2
57.5°	324.8
60°	343.3
62.5°	336.4
65°	299.3
67.5°	257.5
70°	218.1
72.5°	180.9
75°	148.5
77.5°	120.6
80°	97.4
82.5°	78.9
85°	60.3
87.5°	20.9

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)