

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: P525509

Luminaire Tested: **IFLD-S-SA3A-935-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525509
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-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: 9391.8 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 94.8
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

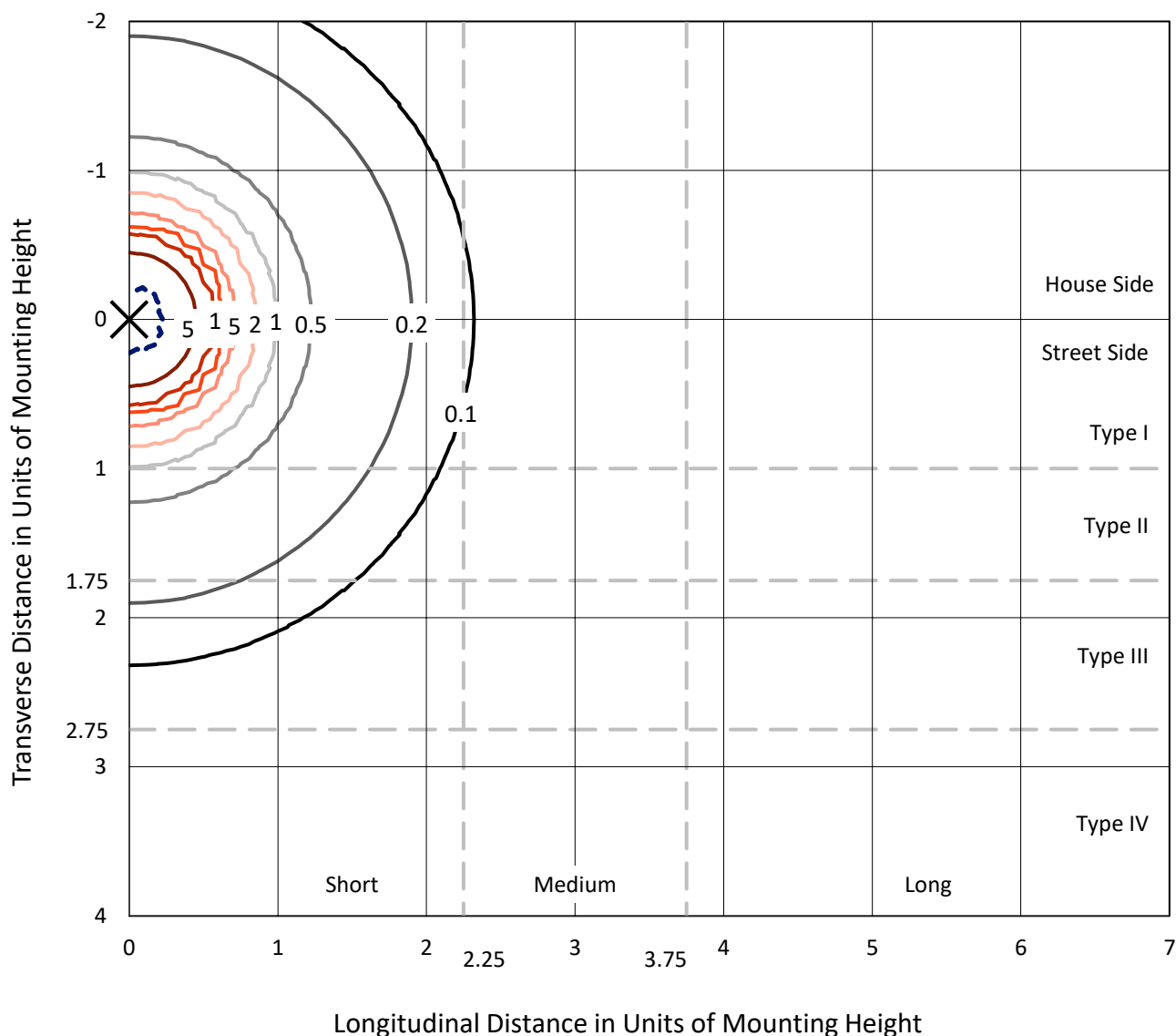
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

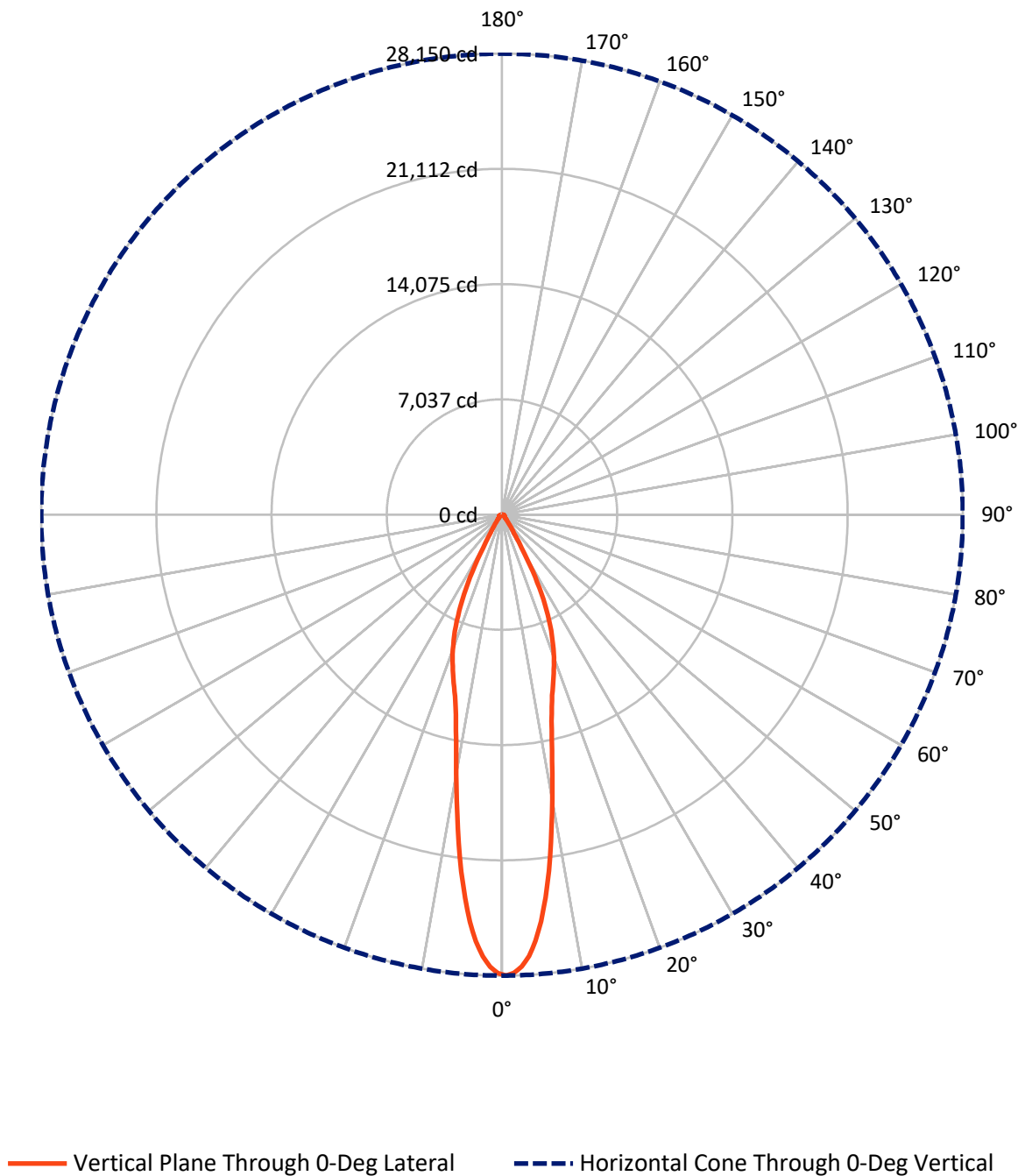


Based on 10 foot mounting height. Maximum calculated value = 281.5 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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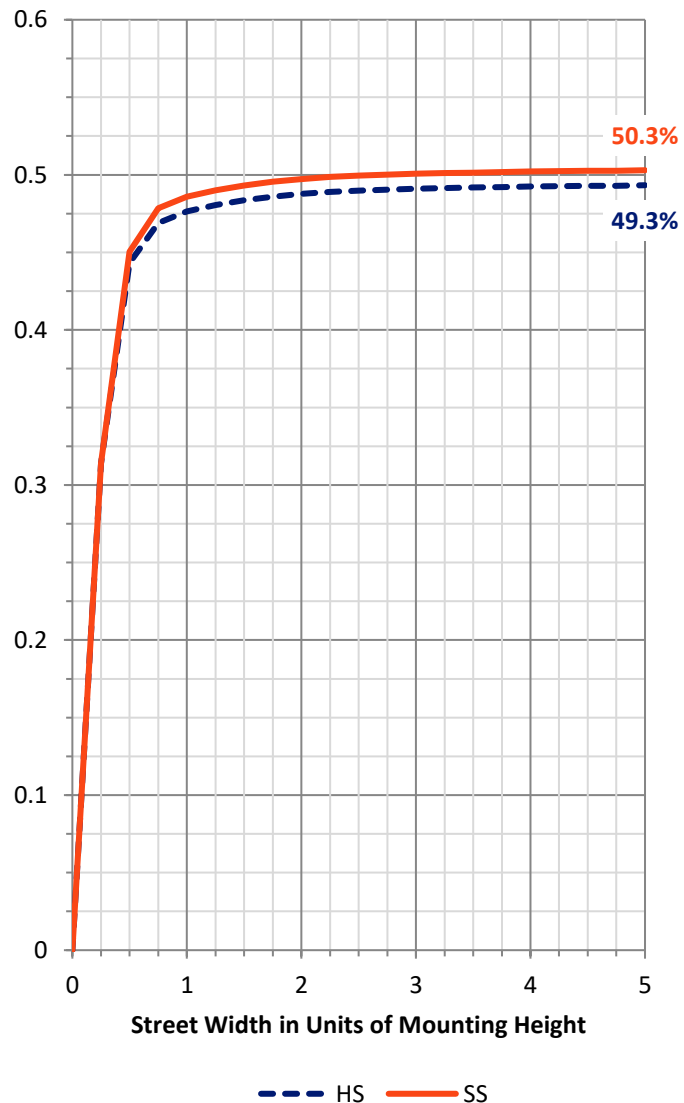
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4695.9	0.0	4695.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4695.9	0.0	4695.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9391.8	0.0	9391.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2107.2	22.4
10°-20°	3286.3	35.0
20°-30°	2663.0	28.4
30°-40°	646.3	6.9
40°-50°	217.5	2.3
50°-60°	171.9	1.8
60°-70°	171.5	1.8
70°-80°	94.6	1.0
80°-90°	33.5	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°	9391.8	100.0
0°-180°	9391.8	100.0

Coefficient of Utilization



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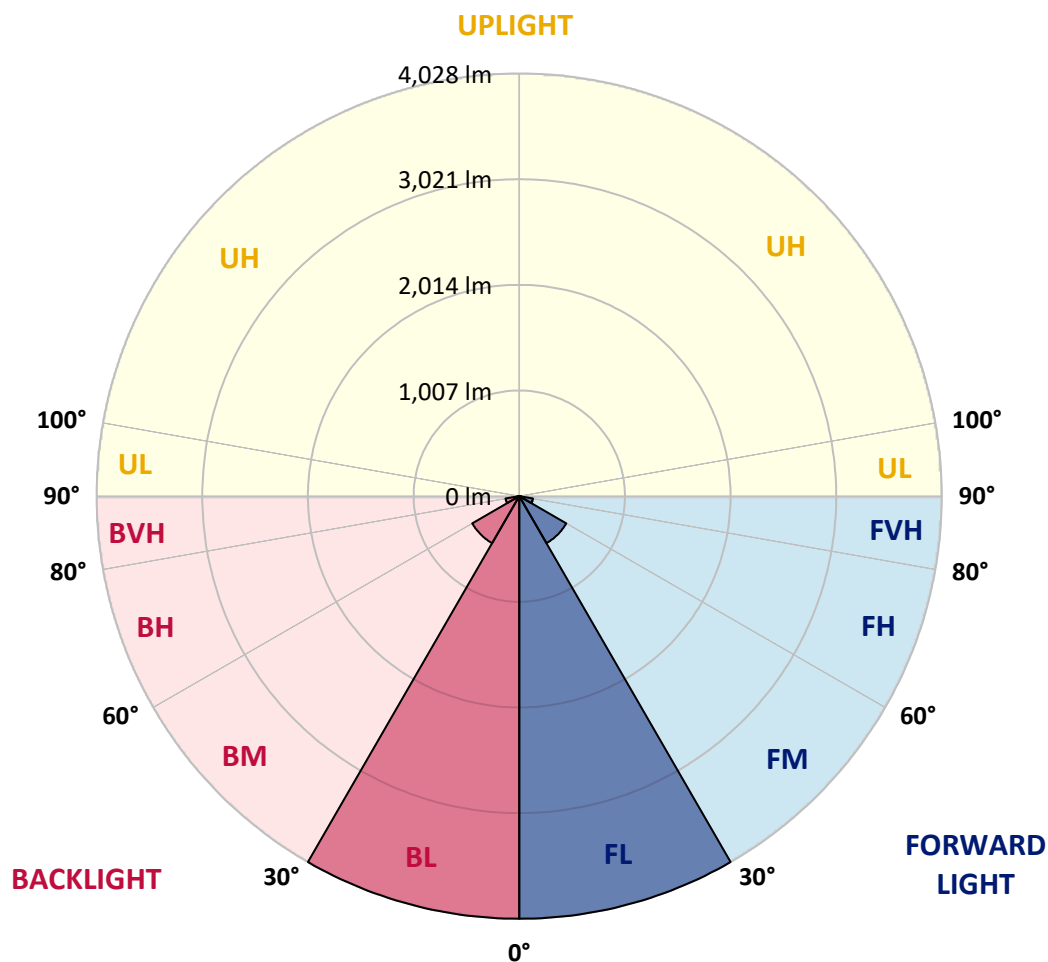
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4028.2	42.9			
FM	(30°-60°)	517.9	5.5			
FH	(60°-80°)	133.0	1.4			G0/660
FVH	(80°-90°)	16.8	0.2			G1/100
BL	(0°-30°)	4028.2	42.9	B4/5000		
BM	(30°-60°)	517.9	5.5	B1/1000		
BH	(60°-80°)	133.0	1.4	B1/500		G0/660
BVH	(80°-90°)	16.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	28149.6
1°	28003.1
2°	27626.5
3°	27002.0
4°	26105.1
5°	24947.9
6°	23530.6
7°	21946.2
8°	20226.2
9°	18495.3
10°	16839.6
11°	15349.7
12°	14044.7
13°	12972.4
14°	12117.9
15°	11445.5
17.5°	10200.7
20°	9042.2
22.5°	7685.1
25°	6108.9
27.5°	4312.3
30°	2343.1
32.5°	1347.5
35°	899.7
37.5°	613.5
40°	436.8
42.5°	338.2
45°	264.3
47.5°	216.4
50°	198.6
52.5°	189.0
55°	184.9
57.5°	191.7
60°	202.7
62.5°	198.6
65°	176.7
67.5°	152.0
70°	128.7
72.5°	106.8
75°	87.6
77.5°	71.2
80°	57.5
82.5°	46.6
85°	35.6
87.5°	12.3



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)