

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: P525706

Luminaire Tested: **IFLD-S-SA3C-935-U-33**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525706
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

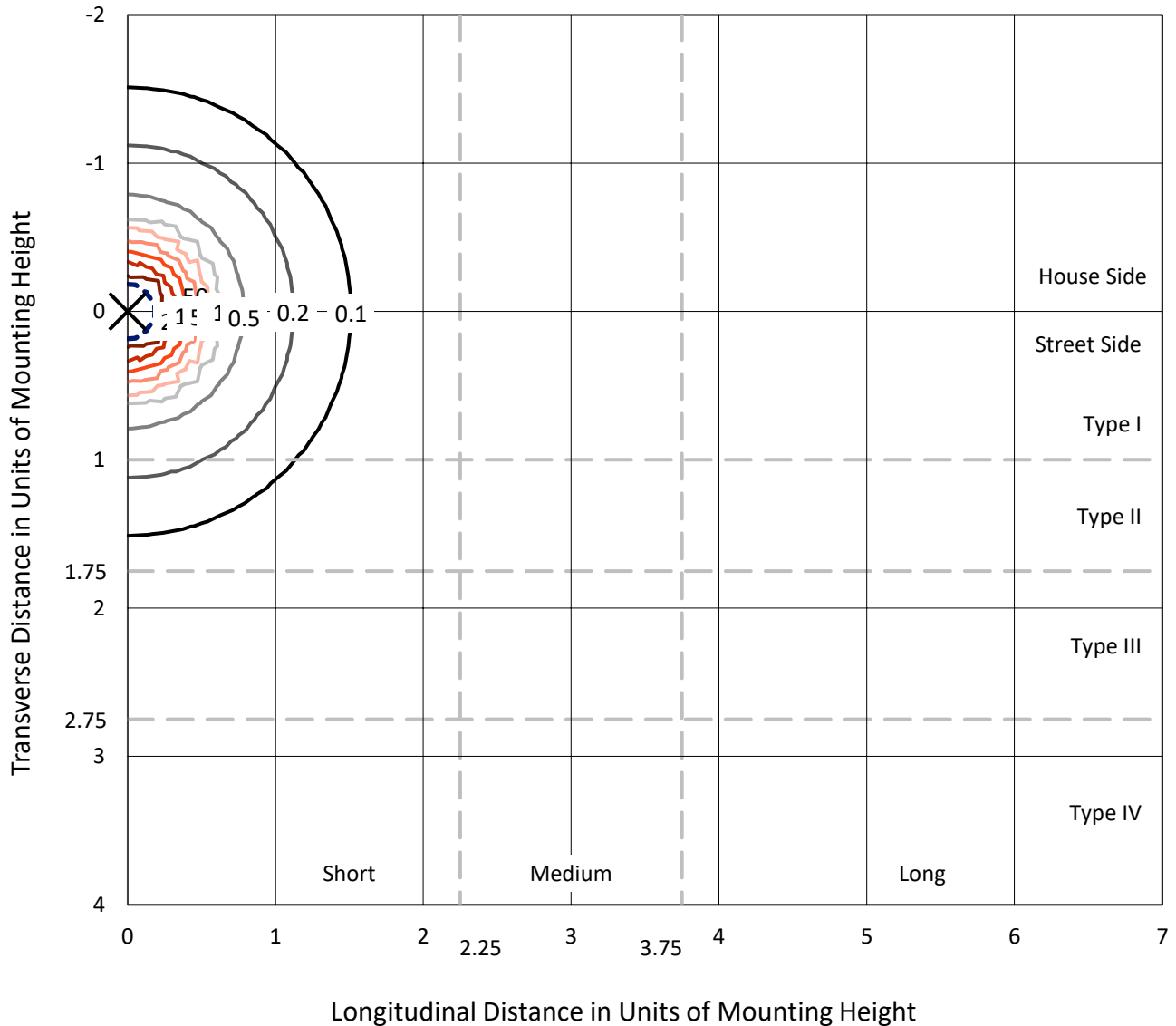
Lumens per Lamp: N/A
Luminaire Lumens: 14316.9 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 160.8
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

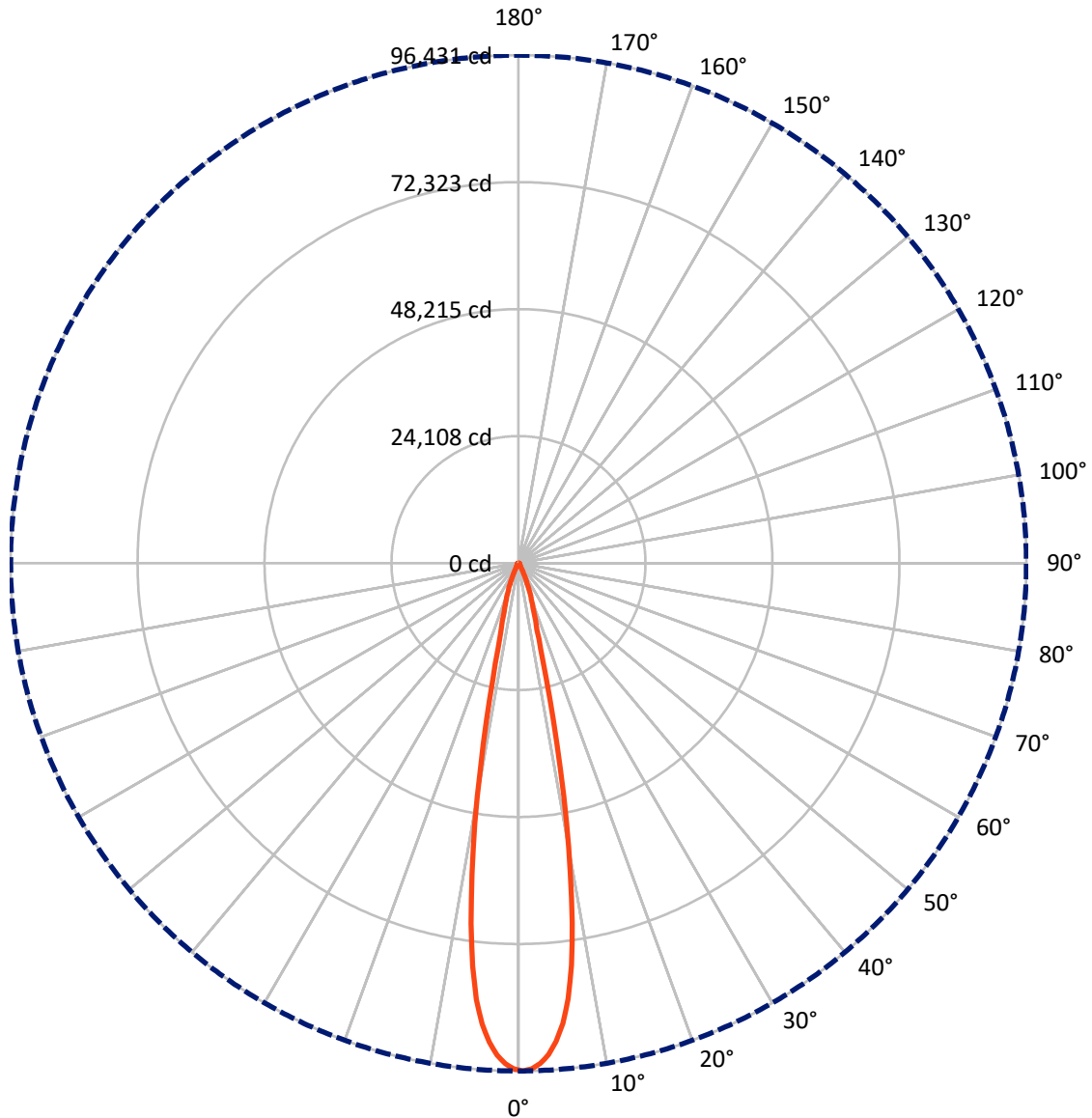
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 241.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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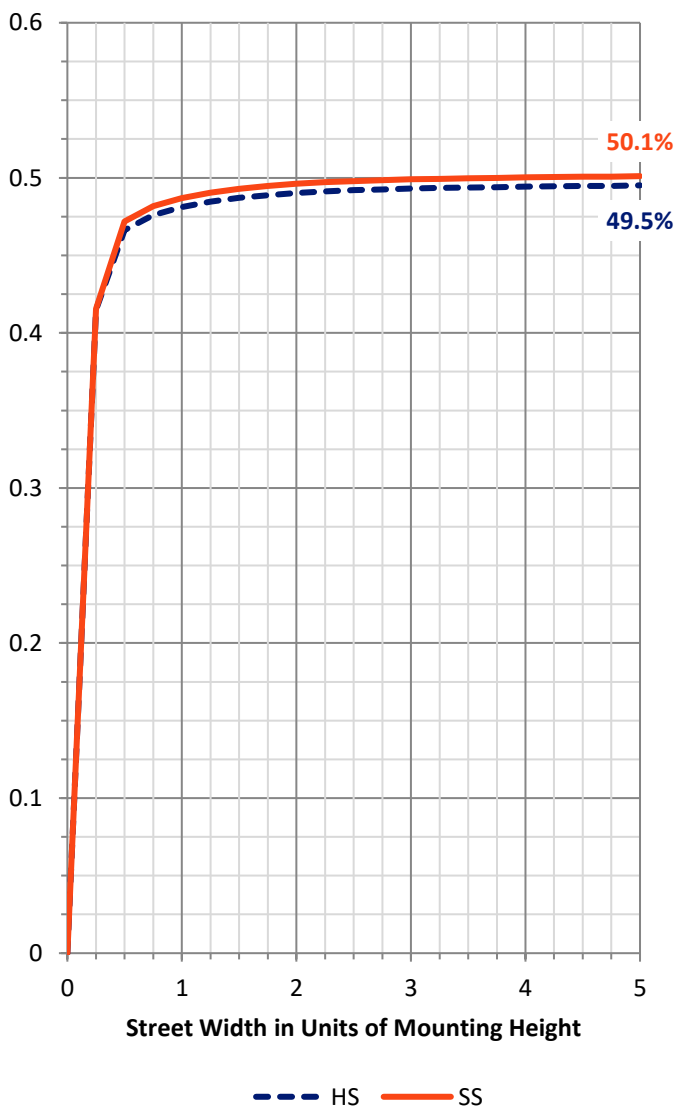
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7158.5	0.0	7158.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7158.5	0.0	7158.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	14316.9	0.0	14316.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7179.7	50.1
10°-20°	4722.6	33.0
20°-30°	1270.3	8.9
30°-40°	315.6	2.2
40°-50°	235.5	1.6
50°-60°	216.6	1.5
60°-70°	198.6	1.4
70°-80°	128.5	0.9
80°-90°	49.4	0.3
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°	14316.9	100.0
0°-180°	14316.9	100.0



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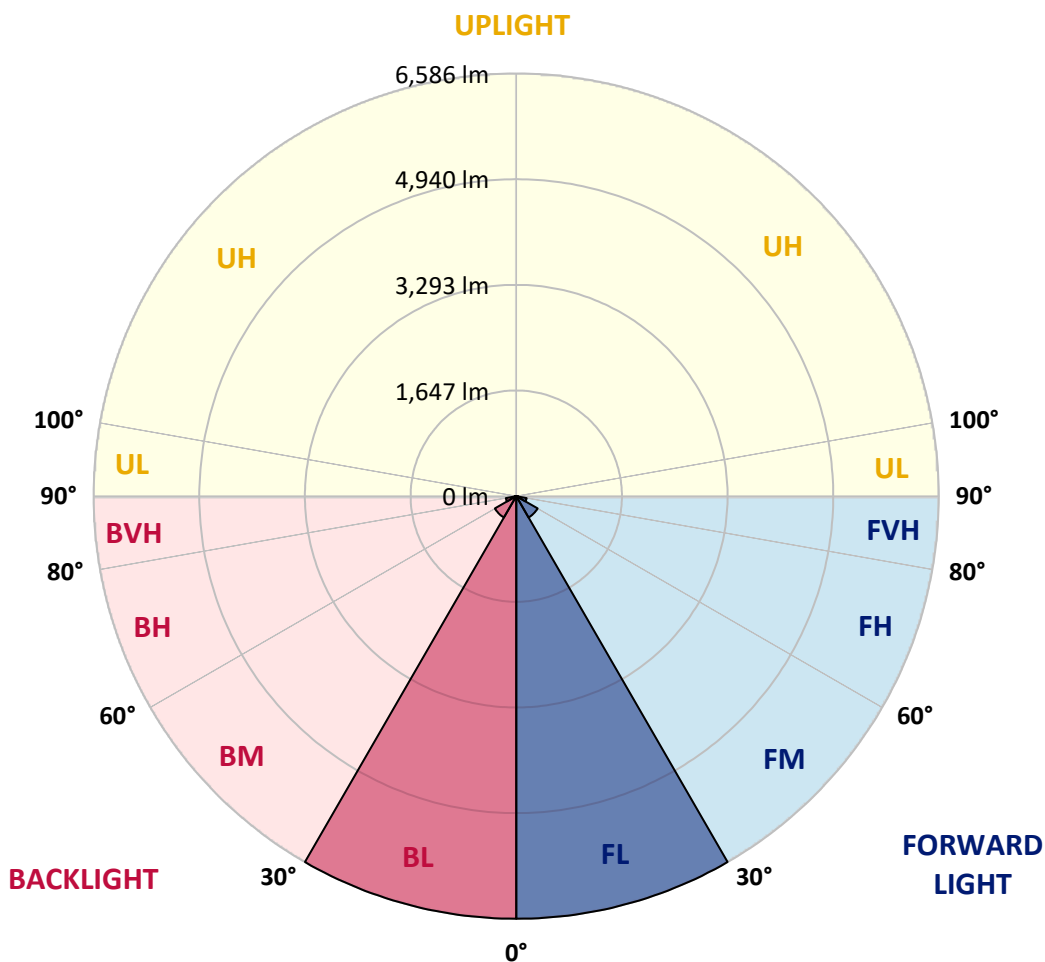
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6586.3	46.0			
FM (30°-60°)	383.9	2.7			
FH (60°-80°)	163.6	1.1			G0/660
FVH (80°-90°)	24.7	0.2			G1/100
BL (0°-30°)	6586.3	46.0	B5		
BM (30°-60°)	383.9	2.7	B1/1000		
BH (60°-80°)	163.6	1.1	B1/500		G0/660
BVH (80°-90°)	24.7	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°	96430.6
1°	96053.2
2°	95102.4
3°	93483.3
4°	91124.2
5°	87839.5
6°	83254.1
7°	76977.9
8°	69019.3
9°	59633.5
10°	50114.8
11°	39889.9
12°	30398.6
13°	22463.2
14°	16811.1
15°	13165.9
17.5°	8825.1
20°	6379.5
22.5°	4205.9
25°	2468.7
27.5°	1385.1
30°	773.7
32.5°	565.0
35°	478.6
37.5°	421.6
40°	371.0
42.5°	333.1
45°	299.4
47.5°	276.2
50°	257.2
52.5°	246.7
55°	240.3
57.5°	236.1
60°	229.8
62.5°	217.1
65°	202.4
67.5°	185.5
70°	164.4
72.5°	141.3
75°	120.2
77.5°	101.2
80°	84.3
82.5°	67.5
85°	50.6
87.5°	21.1



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)