

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: P525901

Luminaire Tested: **IFLD-S-SA3C-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525901
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-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

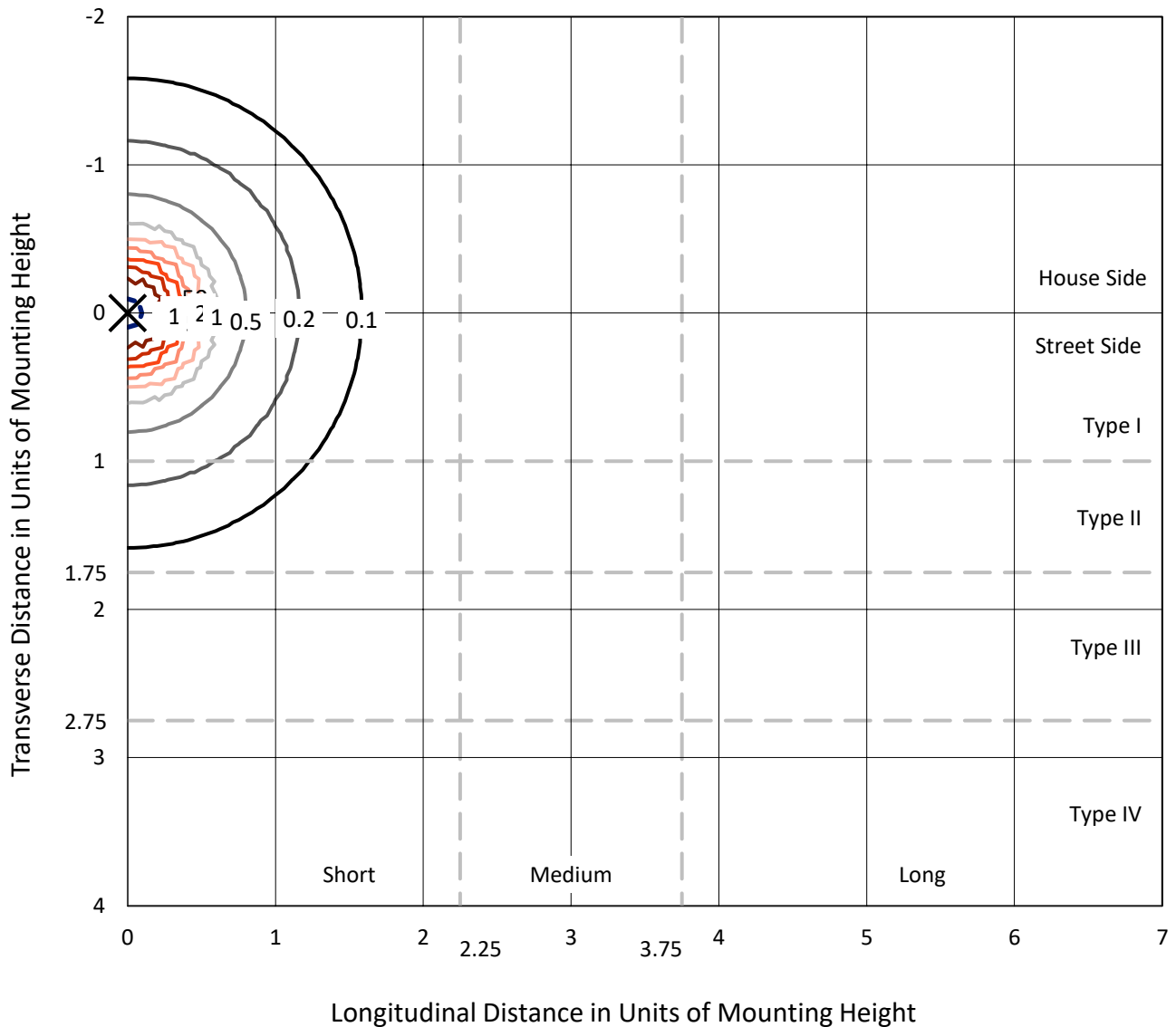
Lumens per Lamp: N/A
Luminaire Lumens: 14370.1 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

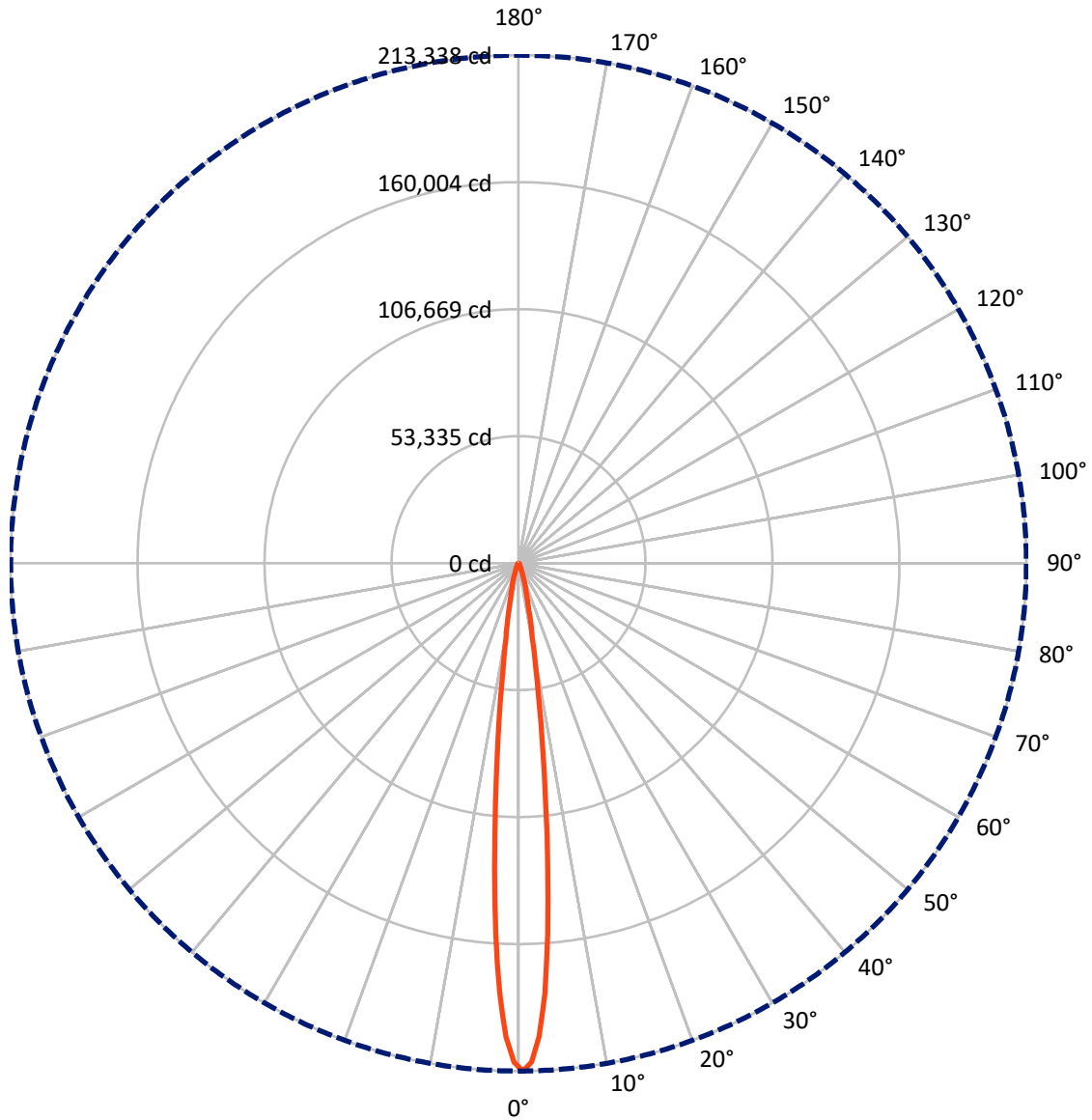
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 533.3 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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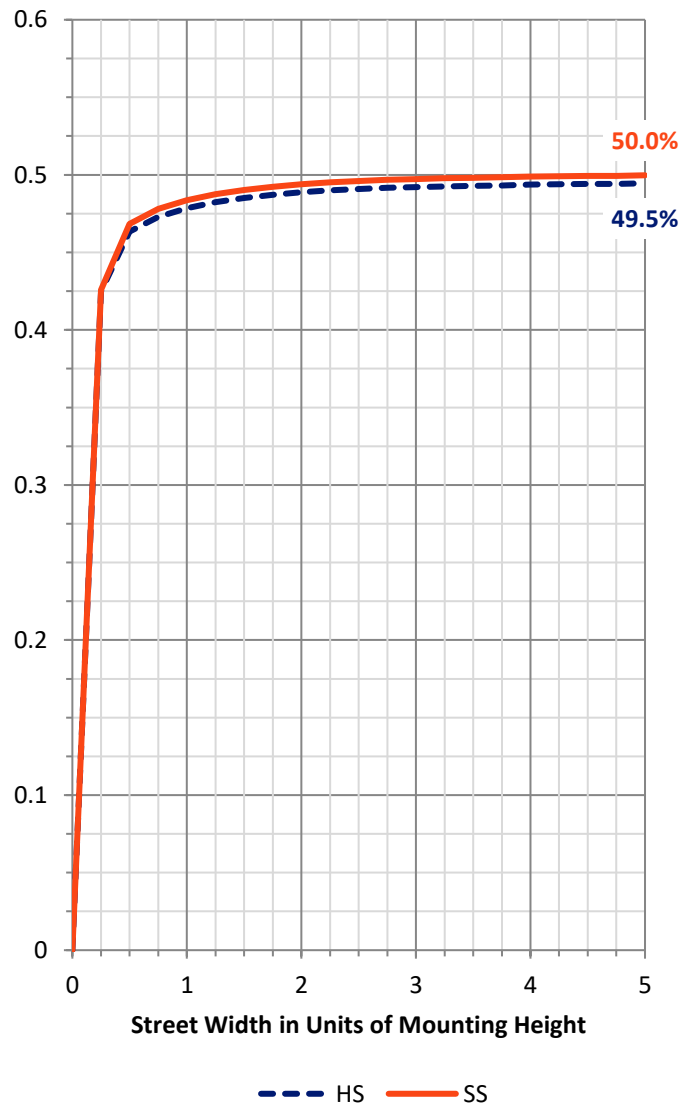
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7185.1	0.0	7185.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7185.1	0.0	7185.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	14370.1	0.0	14370.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8817.2	61.4
10°-20°	3508.5	24.4
20°-30°	809.0	5.6
30°-40°	307.1	2.1
40°-50°	250.7	1.7
50°-60°	240.7	1.7
60°-70°	230.6	1.6
70°-80°	152.7	1.1
80°-90°	53.6	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°	14370.1	100.0
0°-180°	14370.1	100.0

Coefficient of Utilization



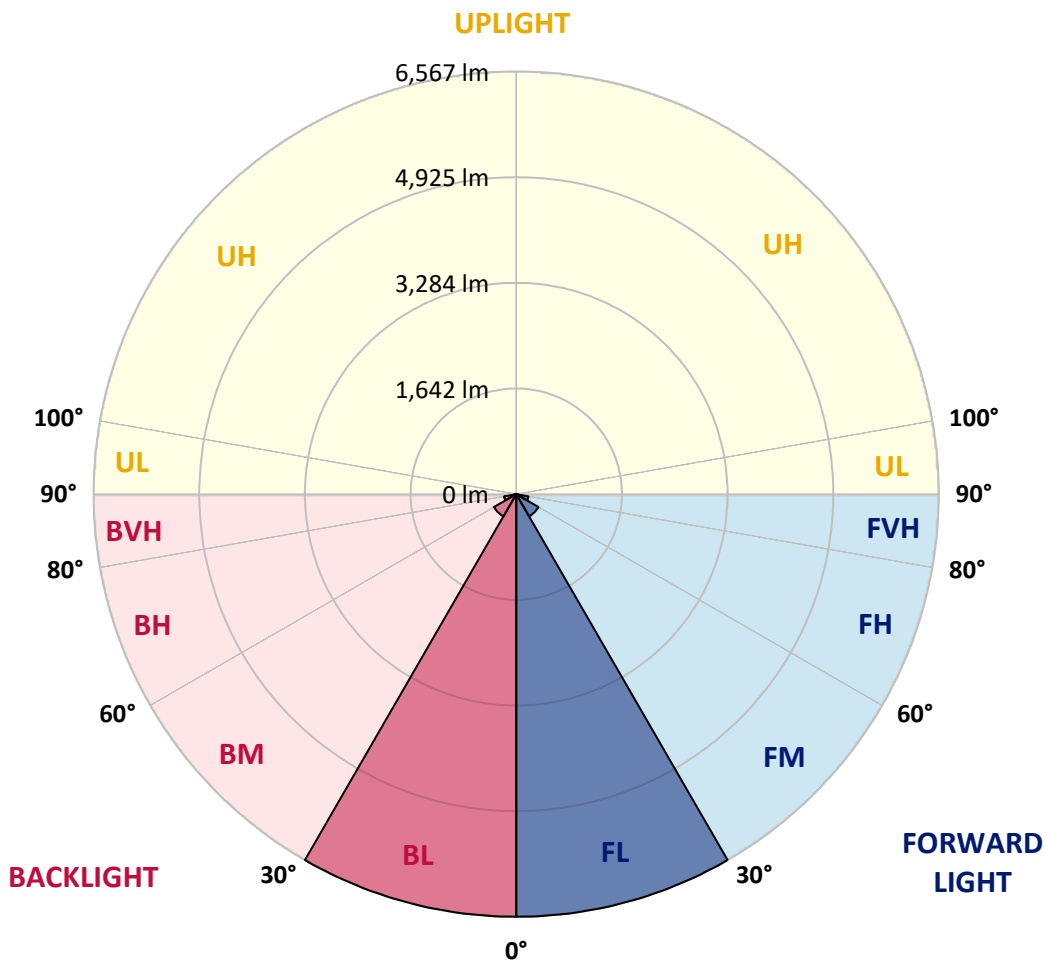
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6567.3	45.7			
FM (30°-60°)	399.3	2.8			
FH (60°-80°)	191.7	1.3			G0/660
FVH (80°-90°)	26.8	0.2			G1/100
BL (0°-30°)	6567.3	45.7	B5		
BM (30°-60°)	399.3	2.8	B1/1000		
BH (60°-80°)	191.7	1.3	B1/500		G0/660
BVH (80°-90°)	26.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	213338.4
1°	209585.5
2°	199073.0
3°	181016.6
4°	156190.2
5°	128197.0
6°	100785.7
7°	77207.5
8°	57624.7
9°	42962.9
10°	32039.2
12.5°	17461.8
15°	11204.0
17.5°	7560.7
20°	4495.1
22.5°	2500.6
25°	1429.5
27.5°	906.6
30°	653.6
32.5°	533.4
35°	474.4
37.5°	440.7
40°	396.4
42.5°	352.1
45°	314.2
47.5°	295.2
50°	282.5
52.5°	274.1
55°	267.8
57.5°	263.5
60°	255.1
62.5°	248.8
65°	236.1
67.5°	219.3
70°	198.2
72.5°	170.8
75°	143.4
77.5°	118.1
80°	94.9
82.5°	73.8
85°	54.8
87.5°	21.1
90°	0.0

(END OF REPORT)